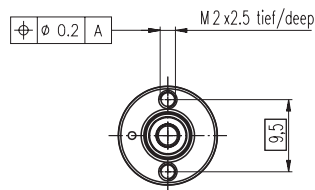
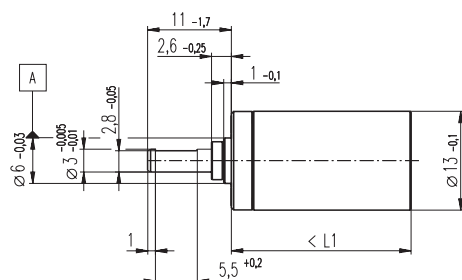


Metal Version



Technical Data

Planetary Gearhead	straight teeth				
Output shaft	stainless steel, hardened				
Bearing at output	sleeve bearings*				
Radial play, 6 mm from flange	max. 0.055 mm				
Axial play	0.02 - 0.10 mm				
Max. permissible axial load	8 N				
Max. permissible force for press fits	100 N				
Recommended input speed	< 8000 rpm				
Recommended temperature range	-15 ... +100°C				
Number of stages	1	2	3	4	5
Max. perm. radial load,					
6 mm from flange	8 N	12 N	16 N	20 N	20 N

*Options: Ball bearing

M 1:1

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

Order Number

Special program (on request!)		110313	110314	110315	110316	110317			
Gearhead Data									
1	Reduction	4.1 : 1	17 : 1	67 : 1	275 : 1	1119 : 1			
2	Reduction absolute	57/14	3249/196	185193/2744	10556001/38416	601692057/537824			
3	Number of stages	1	2	3	4	5			
4	Max. continuous torque at gear output Nm	0.20	0.20	0.30	0.30	0.35			
5	Intermittently permissible torque at gear output Nm	0.30	0.30	0.45	0.45	0.53			
6	Sense of rotation, drive to output	=	=	=	=	=			
7	Max. efficiency %	91	83	75	69	62			
8	Weight g	11	14	17	20	23			
9	Average backlash no load °	1.0	1.2	1.5	1.8	2.0			
10	Mass inertia gcm²	0.025	0.015	0.015	0.015	0.015			
11	Gearhead length L1 mm	16.0	19.9	23.7	27.6	31.4			

* for A-max 12 and BE-max 13 is 1 ± 0.2 mm

**Combination:**[illegible]