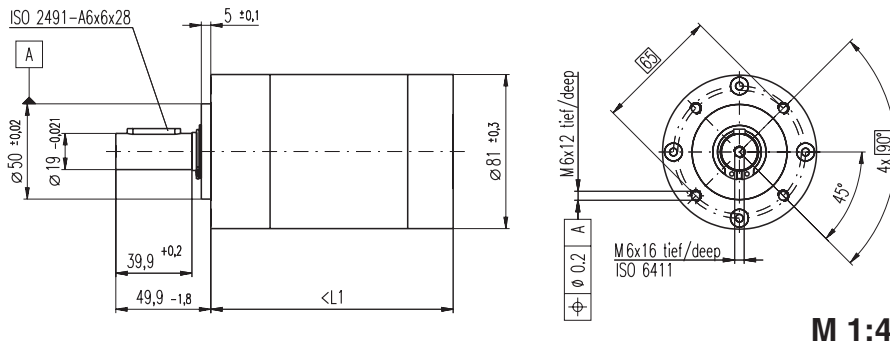


Planetary Gearhead GP 81 A $\varnothing 81$ mm, 20 - 120 Nm



Technical Data

Planetary Gearhead	straight teeth
Output shaft	steel
Bearing at output	ball bearing
Radial play, 8 mm from flange	max. 0.1 mm
Axial play	max. 1 mm
Max. permissible force for press fits	1500 N
Sense of rotation, drive to output	=
Recommended input speed	< 3000 rpm
Recommended temperature range	-30 ... +140°C
Number of stages	1 2 3
Max. radial load, 24 mm from flange	400 N 600 N 1000 N
Max. permissible axial load	80 N 120 N 200 N

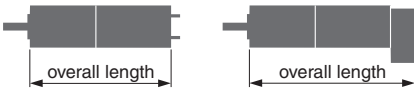
Option: low-play version

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

Order Number

	110408	110409	110410	110411	110412	110413
1 Reduction	3.7 : 1	14 : 1	25 : 1	51 : 1	93 : 1	308 : 1
2 Reduction absolute	63/17	3969/289	1701/68	250047/4913	107163/1156	19683/64
3 Max. motor shaft diameter	mm 14	14	14	14	14	14
4 Number of stages	1	2	2	3	3	3
5 Max. continuous torque	Nm 20	60	60	120	120	120
6 Intermittently permissible torque at gear output	Nm 30	90	90	180	180	180
7 Max. efficiency	% 80	75	75	70	70	70
8 Weight	g 2300	3000	3000	3700	3700	3700
9 Average backlash no load	° 1.0	1.5	1.5	2.0	2.0	2.0
10 Mass inertia	gcm ² 165	155	125	88	154	89
11 Gearhead length L1*	mm 84.0	105.7	105.7	127.3	127.3	127.3

*for EC 60 is L1 + 8 mm



Combination

+ Motor	Page	+ Tacho	Page	+ Brake	Page	Overall length [mm] = Motor length + gearhead length + (tacho / brake) + assembly parts					
RE 65, 250 W	85					223.6	245.3	245.3	266.9	266.9	266.9
RE 65, 250 W	85	HEDS 5540	263			249.4	271.1	271.1	292.7	292.7	292.7
RE 65, 250 W	85	HEDL 5540	265			249.4	271.1	271.1	292.7	292.7	292.7
RE 75, 250 W	86					285.6	307.3	307.3	328.9	328.9	328.9
RE 75, 250 W	86	HED_ 5540	262/264			325.6	347.3	347.3	368.9	368.9	368.9
RE 75, 250 W	86			AB 75	311	325.6	347.3	347.3	368.9	368.9	368.9
RE 75, 250 W	86	HED_ 5540	262/264	AB 75	311	365.5	387.2	387.2	408.8	408.8	408.8
EC 60, 400 W	170					269.4	291.1	291.1	312.7	312.7	312.7
EC 60, 400 W	170	HEDL 9140	267			269.4	291.1	291.1	312.7	312.7	312.7
EC 60, 400 W	170	Res 26	272			269.4	291.1	291.1	312.7	312.7	312.7
EC 60, 400 W	170			AB 41	310	283.0	304.7	304.7	326.3	326.3	326.3
EC 60, 400 W	170	HEDL 9140	267	AB 41	310	307.0	328.7	328.7	350.3	350.3	350.3