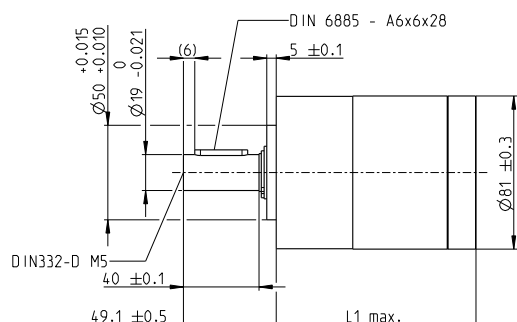


Planetary Gearhead GP 81 A Ø81 mm, 15.4–92.3 Nm



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. 1.28 mm
Max. force for press fits	1500 N
Direction of rotation, drive to output	=
Max. continuous input speed	3000 rpm
Recommended temperature range	-30...+120°C
Number of stages	1 2 3
Max. radial load, 29 mm from flange	400 N 600 N 1000 N
Max. axial load (dynamic)	80 N 120 N 200 N

M 1:4

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

Part numbers

		701932	701933	701934	701935	701936	701937
Gearhead data							
1 Reduction		3.7:1	14:1	25:1	51:1	93:1	308:1
2 Absolute reduction		$\frac{63}{17}$	$\frac{3969}{289}$	$\frac{1701}{68}$	$\frac{250047}{4913}$	$\frac{107163}{1156}$	$\frac{19683}{64}$
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	15.4	46.2	46.2	92.3	92.3	92.3
6 Max. intermittent torque at gear output	Nm	23.1	69.2	69.2	138.5	138.5	138.5
7 Max. efficiency	%	80	75	75	70	70	70
8 Weight	g	1902	2624	2624	3336	3336	3336
9 Average backlash no load	°	0.5	0.55	0.55	0.6	0.6	0.6
10 Mass inertia	gcm ²	192.86	183.6	90.29	182.92	90.9	88.48
11 Gearhead length L1	mm	91.9	113.6	113.6	135.2	135.2	135.2



Modular system										
+ Motor	Page	+ Sensor	Page	Brake	Page	Overall length [mm] = Motor length + gearhead length + (sensor/brake) + assembly parts				
RE 65, 250 W	165					223.40	245.10	245.10	266.70	266.70
RE 65, 250 W	165	HEDS 5540	536			249.30	271.00	271.00	292.60	292.60
RE 65, 250 W	165	HEDL 5540	538			249.30	271.00	271.00	292.60	292.60
RE 65, 250 W	165	HEDL 9140	541			279.50	301.20	301.20	322.80	322.80
RE 65, 250 W	165			AB 44	592	279.50	301.20	301.20	322.80	322.80
RE 65, 250 W	165	HEDL 9140	541	AB 44	592	297.50	319.20	319.20	340.80	340.80
EC 60, 400 W	275					269.30	291.00	291.00	312.60	312.60
EC 60, 400 W	275	HEDL 9140	540			269.30	291.00	291.00	312.60	312.60
EC 60, 400 W	275	Res 26	543			269.30	291.00	291.00	312.60	312.60
EC 60, 400 W	275			AB 41	590	282.90	304.60	304.60	326.20	326.20
EC 60, 400 W	275	HEDL 9140	540	AB 41	590	306.90	328.60	328.60	350.20	350.20