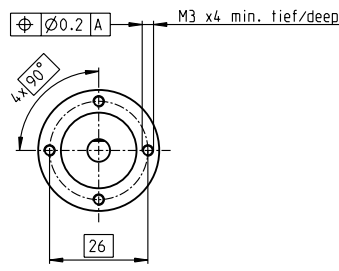
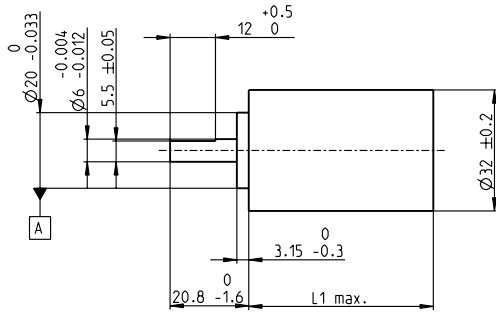


# Planetary Gearhead GP 32 BZ $\varnothing 32$ mm, 0.75 - 4.5 Nm

Low Backlash



Technical Data	
Planetary Gearhead	straight teeth
Output shaft	stainless steel, hardened
Bearing at output	ball bearing
Radial play, 5 mm from flange	max. 0.1 mm
Axial play	max. 0.7 mm
Max. permissible axial load	120 N
Max. permissible force for press fits	120 N
Sense of rotation, drive to output	=
Recommended input speed	< 4000 rpm
Recommended temperature range	-40 ... +100°C
Number of stages	1 2 3
Max. radial load, 12 mm from flange	70 N 140 N 210 N

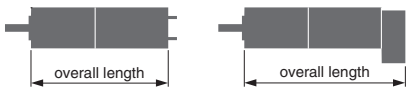
M 1:2

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

## Order Number

Gearhead Data	358975	351942	358331	357988	358335	358385	358512	358513	358515	358516
1 Reduction	3.7 : 1	5.2 : 1	19 : 1	27 : 1	35 : 1	71 : 1	100 : 1	139 : 1	181 : 1	236 : 1
2 Reduction absolute	<sup>63</sup> / <sub>17</sub>	<sup>57</sup> / <sub>11</sub>	<sup>3591</sup> / <sub>187</sub>	<sup>3249</sup> / <sub>121</sub>	<sup>1539</sup> / <sub>44</sub>	<sup>226233</sup> / <sub>3179</sub>	<sup>204687</sup> / <sub>2057</sub>	<sup>185193</sup> / <sub>1331</sub>	<sup>87723</sup> / <sub>484</sub>	<sup>41553</sup> / <sub>176</sub>
3 Max. motor shaft diameter	mm 5.5	3	3	3	3	3	3	3	3	3
4 Number of stages	1	1	2	2	2	3	3	3	3	3
5 Max. continuous torque	Nm 0.75	0.75	2.25	2.25	2.25	4.5	4.5	4.5	4.5	4.5
Max. continuous torque within the preloading	Nm 0.5	0.5	1.1	1.1	1.1	1.7	1.7	1.7	1.7	1.7
6 Intermittently permissible torque at gear output	Nm 1.1	1.1	3.2	3.2	3.2	6.2	6.2	6.2	6.2	6.2
7 Max. efficiency	% 90	90	80	80	80	70	70	70	70	70
8 Weight	g 150	150	190	190	190	240	240	240	240	240
9 Average backlash no load	° 0.15	0.15	0.35	0.35	0.35	0.5	0.5	0.5	0.5	0.5
10 Mass inertia	gcm <sup>2</sup> 1.25	1.25	0.75	0.75	0.75	0.7	0.7	0.7	0.7	0.7
11 Gearhead length L1*	mm 33.5	33.5	43.6	43.6	43.6	53.1	53.1	53.1	53.1	53.1

\*for EC 32 L1 is + 6.4 mm, for RE 30 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 25	77/79			88.1	88.1	98.2	98.2	98.2	107.7	107.7	107.7	107.7	107.7	107.7
RE 25	77/79	MR	262	99.1	99.1	109.2	109.2	109.2	118.7	118.7	118.7	118.7	118.7	118.7
RE 25	77/79	Enc 22	264	102.2	102.2	112.3	112.3	112.3	121.8	121.8	121.8	121.8	121.8	121.8
RE 25	77/79	HED_ 5540	266/268	108.9	108.9	119.0	119.0	119.0	128.5	128.5	128.5	128.5	128.5	128.5
RE 25	77/79	DCT 22	276	110.4	110.4	120.5	120.5	120.5	130.0	130.0	130.0	130.0	130.0	130.0
RE 25, 20 W	78			76.6	76.6	86.7	86.7	86.7	96.2	96.2	96.2	96.2	96.2	96.2
RE 25, 20 W	78	MR	262	87.6	87.6	97.7	97.7	97.7	107.2	107.2	107.2	107.2	107.2	107.2
RE 25, 20 W	78	HED_ 5540	267/270	97.4	97.4	107.5	107.5	107.5	117.0	117.0	117.0	117.0	117.0	117.0
RE 25, 20 W	78	DCT 22	276	98.9	98.9	109.0	109.0	109.0	118.5	118.5	118.5	118.5	118.5	118.5
RE 25, 20 W	78	AB 28	318	110.7	110.7	120.8	120.8	120.8	130.3	130.3	130.3	130.3	130.3	130.3
RE 25, 20 W	78	HED_ 5540 / AB 28	267/318	127.9	127.9	138.0	138.0	138.0	147.5	147.5	147.5	147.5	147.5	147.5
RE 25, 20 W	79	AB 28	318	122.2	122.2	132.3	132.3	132.3	141.8	141.8	141.8	141.8	141.8	141.8
RE 25, 20 W	79	HED_ 5540 / AB 28	266/318	139.3	139.3	149.4	149.4	149.4	158.9	158.9	158.9	158.9	158.9	158.9
RE 30, 60 W	80			102.6	102.6	112.7	112.7	112.7	122.2	122.2	122.2	122.2	122.2	122.2
RE 30, 60 W	80	MR	263	114.0	114.0	124.1	124.1	124.1	133.6	133.6	133.6	133.6	133.6	133.6
RE 35, 90 W	81			104.6	104.6	114.7	114.7	114.7	124.2	124.2	124.2	124.2	124.2	124.2
RE 35, 90 W	81	MR	263	116.0	116.0	126.1	126.1	126.1	135.6	135.6	135.6	135.6	135.6	135.6
RE 35, 90 W	81	HED_ 5540	266/268	125.3	125.3	135.4	135.4	135.4	144.9	144.9	144.9	144.9	144.9	144.9
RE 35, 90 W	81	DCT 22	276	122.7	122.7	132.8	132.8	132.8	142.3	142.3	142.3	142.3	142.3	142.3
RE 35, 90 W	81	AB 28	318	140.7	140.7	150.8	150.8	150.8	160.3	160.3	160.3	160.3	160.3	160.3
RE 35, 90 W	81	HEDS 5540 / AB 28	266/318	157.8	157.8	167.9	167.9	167.9	177.4	177.4	177.4	177.4	177.4	177.4
A-max 26	101-108			78.3	78.3	88.4	88.4	88.4	97.9	97.9	97.9	97.9	97.9	97.9
A-max 26	101-107	MEnc 13	275	85.4	85.4	95.5	95.5	95.5	105.0	105.0	105.0	105.0	105.0	105.0
A-max 26	102-108	MR	262	87.1	87.1	97.2	97.2	97.2	106.7	106.7	106.7	106.7	106.7	106.7
A-max 26	102-108	Enc 22	265	92.7	92.7	102.8	102.8	102.8	112.3	112.3	112.3	112.3	112.3	112.3
A-max 26	102-108	HED_ 5540	267/268	97.1	97.1	107.2	107.2	107.2	116.7	116.7	116.7	116.7	116.7	116.7
A-max 32	109/111			96.5	96.5	106.6	106.6	106.6	116.1	116.1	116.1	116.1	116.1	116.1
A-max 32	110/112			95.1	95.1	105.2	105.2	105.2	114.7	114.7	114.7	114.7	114.7	114.7
A-max 32	110/112	MR	263	106.3	106.3	116.4	116.4	116.4	125.9	125.9	125.9	125.9	125.9	125.9
A-max 32	110/112	HED_ 5540	267/268	115.9	115.9	126.0	126.0	126.0	135.5	135.5	135.5	135.5	135.5	135.5
EC 32, 80 W	154			100.2	100.2	110.3	110.3	110.3	119.8	119.8	119.8	119.8	119.8	119.8
EC 32, 80 W	154	HED_ 5540	267/269	118.6	118.6	128.7	128.7	128.7	138.2	138.2	138.2	138.2	138.2	138.2
EC 32, 80 W	154	Res 26	277	120.3	120.3	130.4	130.4	130.4	139.9	139.9	139.9	139.9	139.9	139.9
MCD EPOS, 60 W	313			153.6	153.6	163.7	163.7	163.7	173.2	173.2	173.2	173.2	173.2	173.2
MCD EPOS P, 60 W	313			153.6	153.6	163.7	163.7	163.7	173.2	173.2	173.2	173.2	173.2	173.2