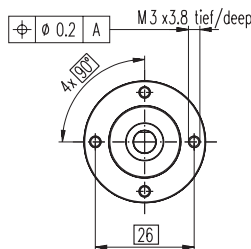
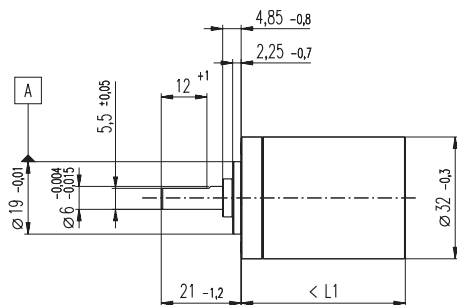


Planetary Gearhead GP 32 A Ø32 mm, 0.75 - 4.5 Nm

Metal Version



M 1:2

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

Order Number

Gearhead Data	166155	166158	166163	166164	166169	166174	166179	166184	166187	166192	166197	166202
1 Reduction	3.7 : 1	14 : 1	33 : 1	51 : 1	111 : 1	246 : 1	492 : 1	762 : 1	1181 : 1	1972 : 1	2829 : 1	4380 : 1
2 Reduction absolute	26/7	676/49	529/16	17576/343	13824/125	421824/1715	86112/175	19044/25	10123776/8575	8626176/4375	495144/175	109503/25
Order Number	166156	166159	166165	166170	166175	166180	166185	166188	166193	166198	166203	
1 Reduction	4.8 : 1	18 : 1	66 : 1	123 : 1	295 : 1	531 : 1	913 : 1	1414 : 1	2189 : 1	3052 : 1	5247 : 1	
2 Reduction absolute	24/5	624/35	16224/245	6877/56	101062/343	331776/625	36501/40	2425488/1715	536406/245	1907712/625	839523/160	
Order Number	166157	166160	166166	166171	166176	166181	166186	166189	166194	166199	166204	
1 Reduction	5.8 : 1	21 : 1	79 : 1	132 : 1	318 : 1	589 : 1	1093 : 1	1526 : 1	2362 : 1	3389 : 1	6285 : 1	
2 Reduction absolute	23/4	299/14	3887/49	3312/25	389376/1225	20631/35	279841/256	9345024/6125	2066688/875	474513/140	6436343/1024	
Order Number	166161	166167	166172	166177	166182	166190	166195	166200				
1 Reduction	23 : 1	86 : 1	159 : 1	411 : 1	636 : 1	1694 : 1	2548 : 1	3656 : 1				
2 Reduction absolute	576/25	14976/175	1587/10	359424/875	79488/125	1162213/686	7962624/3125	457056/125				
Order Number	166162	166168	166173	166178	166183	166191	166196	166201				
1 Reduction	28 : 1	103 : 1	190 : 1	456 : 1	706 : 1	1828 : 1	2623 : 1	4060 : 1				
2 Reduction absolute	138/5	3588/35	12167/64	89401/196	158171/224	2238912/1225	2056223/784	3637933/896				
3 Number of stages	1	2	2	3	3	4	4	5	5	5	5	
4 Max. continuous torque at gear output Nm	0.75	2.25	2.25	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	
5 Intermittently permissible torque at gear output Nm	1.1	3.4	3.4	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	
6 Sense of rotation, drive to output	=	=	=	=	=	=	=	=	=	=	=	
7 Max. efficiency %	80	75	75	70	70	60	60	50	50	50	50	
8 Weight g	118	162	162	194	194	226	226	226	258	258	258	
9 Average backlash no load °	0.7	0.8	0.8	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
10 Mass inertia gcm ²	1.5	0.8	0.8	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	
11 Gearhead length L1 mm	26.4	36.3	36.3	43.0	43.0	49.7	49.7	49.7	56.4	56.4	56.4	



Combination:

+ Motor	Page	+ Tacho / Encoder / Brake	Page	Overall length [mm] = Motor length + gearhead length + (tacho / encoder / brakes) + assembly parts									
RE 30, 60 W	79	MR Encoder	213	94.5	104.4	104.4	111.1	111.1	117.8	117.8	124.5	124.5	124.5
RE 35, 90 W	80			105.6	115.5	115.5	122.2	122.2	128.9	128.9	135.6	135.6	135.6
RE 35, 90 W	80	MR Encoder	213	97.4	107.3	107.3	114.0	114.0	120.7	120.7	127.4	127.4	127.4
RE 35, 90 W	80	Digital Encoder HED_ 55_	216/218	108.8	118.7	118.7	125.4	125.4	132.1	132.1	138.8	138.8	138.8
RE 35, 90 W	80	DC-Tacho 22	224	118.4	128.3	128.3	135.0	135.0	141.7	141.7	148.4	148.4	148.4
RE 35, 90 W	80	Brake 40	248	115.5	125.4	125.4	132.1	132.1	138.8	138.8	145.5	145.5	145.5
RE 36, 70 W	81			133.5	143.4	143.4	150.1	150.1	156.8	156.8	163.5	163.5	163.5
RE 36, 70 W	81	MR Encoder	213	97.7	107.6	107.6	114.3	114.3	121.0	121.0	127.7	127.7	127.7
RE 36, 70 W	81	Digital Encoder HED_ 55_	216/218	109.1	119.0	119.0	125.7	125.7	132.4	132.4	139.1	139.1	139.1
RE 36, 70 W	81	DC-Tacho 22	224	118.7	128.6	128.6	135.3	135.3	142.0	142.0	148.7	148.7	148.7
RE 36, 70 W	81			115.8	125.7	125.7	132.4	132.4	139.1	139.1	145.8	145.8	145.8
A-max 32	121/123			89.4	99.3	99.3	106.0	106.0	112.7	112.7	119.4	119.4	119.4
A-max 32	122/124			88.0	97.9	97.9	104.6	104.6	111.3	111.3	118.0	118.0	118.0
A-max 32	122/124	MR Encoder	213	99.2	109.1	109.1	115.8	115.8	122.5	122.5	129.2	129.2	129.2
A-max 32	122/124	Digital Encoder HED_ 55_	217/219	108.8	118.7	118.7	125.4	125.4	132.1	132.1	138.8	138.8	138.8
EC 32, 80 W	157			86.5	96.4	96.4	103.1	103.1	109.8	109.8	116.5	116.5	116.5
EC 32, 80 W	157	Digital Encoder HED_ 55_	217/219	104.9	114.8	114.8	121.5	121.5	128.2	128.2	134.9	134.9	134.9
EC 32, 80 W	157	Resolver 26	226	106.6	116.5	116.5	123.2	123.2	129.9	129.9	136.6	136.6	136.6

Technical Data

Planetary Gearhead	straight teeth
Output shaft	stainless steel
Bearing at output	ball bearing
Radial play, 5 mm from flange	max. 0.14 mm
Axial play	max. 0.4 mm
Max. perm. radial load, 12 mm from flange	140 N
Max. permissible axial load	120 N
Max. permissible force for press fits	120 N
Recommended input speed	< 6000 rpm
Recommended temperature range	-15 ... +80°C

909853 - base - 166156
909865 - base - 166159
909877 - base - 166165
909889 - base - 166169
909890 - base - 166174

Farnell Codes