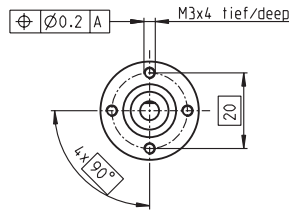
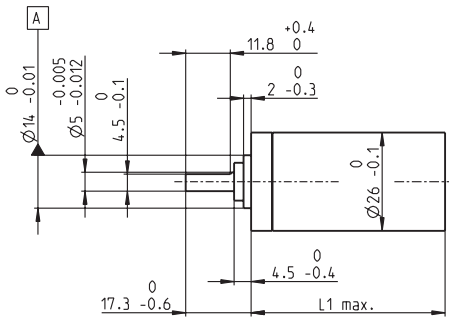


Planetary Gearhead GP 26 B $\varnothing 26$ mm, 0.5 - 2.0 Nm

Ceramic Version

Technical Data

Planetary Gearhead	straight teeth
Output shaft	stainless steel, hardened
Bearing at output	ball bearing
Radial play, 10 mm from flange	max. 0.08 mm
Axial play at axial load	< 4 N 0 mm > 4 N max. 0.05 mm
Max. radial load, 10 mm from flange	70 N
Max. permissible axial load	100 N
Max. permissible force for press fits	100 N
Sense of rotation, drive to output	=
Recommended input speed	< 8000 rpm
Recommended temperature range	-40 ... +100°C



M 1:2

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

Order Number

144026	144029	144035	144041	144045	144051	144057	144059	144066	144072	144078
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Gearhead Data

1 Reduction	3.8 : 1	14 : 1	53 : 1	104 : 1	198 : 1	370 : 1	590 : 1	742 : 1	1386 : 1	1996 : 1	3189 : 1
2 Reduction absolute	15/4	225/16	3375/64	87723/845	50625/256	1055601/28561	59049/100	759375/1024	19834015/114244	285012227/142805	1594323/500
3 Max. motor shaft diameter	mm	4	4	3.2	4	3.2	4	4	3.2	3.2	4
Order Number	144027	144030	144036	144042	144046	144052	144058	144061	144067	144073	144079
1 Reduction	4.4 : 1	16 : 1	62 : 1	109 : 1	231 : 1	389 : 1	690 : 1	867 : 1	1460 : 1	2102 : 1	3728 : 1
2 Reduction absolute	57/13	855/52	12825/208	2187/20	192375/632	263169/676	1121931/1625	2885625/3328	3947535/2704	7105563/3380	30292137/8125
3 Max. motor shaft diameter	mm	3.2	3.2	3.2	4	3.2	3.2	3.2	3.2	3.2	3.2
Order Number	144028	144031	144037	144043	144047	144053	144060	144062	144068	144074	144080
1 Reduction	5.4 : 1	19 : 1	72 : 1	128 : 1	270 : 1	410 : 1	850 : 1	1014 : 1	1538 : 1	2214 : 1	4592 : 1
2 Reduction absolute	27/5	3249/169	48735/676	41553/325	731025/2704	6561/16	531441/625	10965375/10816	98415/64	177147/80	14348907/3125
3 Max. motor shaft diameter	mm	2.5	3.2	3.2	3.2	4	2.5	3.2	4	4	2.5
Order Number		144032	144038	144044	144048	144054		144063	144069	144075	
1 Reduction		20 : 1	76 : 1	157 : 1	285 : 1	455 : 1		1068 : 1	1621 : 1	2458 : 1	
2 Reduction absolute		81/4	1215/16	19683/125	18225/64	5000211/10985		273375/256	601692057/371293	135005697/54925	
3 Max. motor shaft diameter	mm	4	4	2.5	4	3.2		4	3.2	3.2	
Order Number		144033	144039		144049	144055		144064	144070	144076	
1 Reduction		24 : 1	84 : 1		316 : 1	479 : 1		1185 : 1	1707 : 1	2589 : 1	
2 Reduction absolute		1539/65	185193/2197		2777895/8788	124659/260		41668425/35152	15000633/8788	3365793/1300	
3 Max. motor shaft diameter	mm	3.2	3.2		3.2	3.2		3.2	3.2	3.2	
Order Number		144034	144040		144050	144056		144065	144071	144077	
1 Reduction		29 : 1	89 : 1		333 : 1	561 : 1		1249 : 1	1798 : 1	3027 : 1	
2 Reduction absolute		729/25	4617/52		69255/208	2368521/4225		1038825/832	373977/208	63950067/21125	
3 Max. motor shaft diameter	mm	2.5	3.2		3.2	3.2		3.2	3.2	3.2	
4 Number of stages		1	2	3	3	4	4	4	5	5	5
5 Max. continuous torque	Nm	0.5	0.6	1.3	1.3	1.8	1.8	1.8	2.0	2.0	2.0
6 Intermittently permissible torque at gear output	Nm	0.8	0.9	1.9	1.9	2.7	2.7	2.7	3.0	3.0	3.0
7 Max. efficiency	%	84	70	59	59	49	49	49	42	42	42
8 Weight	g	65	86	108	108	130	130	130	152	152	152
9 Average backlash no load	°	1.0	1.2	1.6	1.6	2.0	2.0	2.0	2.0	2.0	2.0
10 Mass inertia	gcm ²	0.6	0.5	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
11 Gearhead length L1*	mm	29.2	36.0	42.8	42.8	49.6	49.6	49.6	56.4	56.4	56.4

* for A-max 26 and RE-max 29 L1 is - 2.2 mm



maxon Modular System

+ Motor	Page	+ Sensor / Brake	Page	Overall length [mm] = Motor length + gearhead length + (sensor / brake) + assembly parts									
RE 25	77/79			83.8	90.6	97.4	97.4	104.2	104.2	111.0	111.0	111.0	111.0
RE 25	77/79	MR	262	94.8	101.6	108.4	108.4	115.2	115.2	115.2	122.0	122.0	122.0
RE 25	77/79	Enc 22	264	97.9	104.7	111.5	111.5	118.3	118.3	118.3	125.1	125.1	125.1
RE 25	77/79	HED_ 5540	266/268	104.6	111.4	118.2	118.2	125.0	125.0	125.0	131.8	131.8	131.8
RE 25	77/79	DCT22	276	106.1	112.9	119.7	119.7	126.5	126.5	126.5	133.3	133.3	133.3
RE 25, 20 W	78			72.3	79.1	85.9	85.9	92.7	92.7	92.7	99.5	99.5	99.5
RE 25, 20 W	78	MR	262	83.3	90.1	96.9	96.9	103.7	103.7	103.7	110.5	110.5	110.5
RE 25, 20 W	78	HED_ 5540	267/270	93.1	99.9	106.7	106.7	113.5	113.5	113.5	120.3	120.3	120.3
RE 25, 20 W	78	DCT22	276	94.6	101.4	108.2	108.2	115.0	115.0	115.0	121.8	121.8	121.8
RE 25, 20 W	78	AB 28	318	106.4	113.2	120.0	120.0	126.8	126.8	126.8	133.6	133.6	133.6
RE 25, 20 W	78	HED_ 5540 / AB 28	267/318	123.6	130.4	137.2	137.2	144.0	144.0	144.0	150.8	150.8	150.8
RE 25, 20 W	79	AB 28	316	117.9	124.7	131.5	131.5	138.3	138.3	138.3	145.1	145.1	145.1
RE 25, 20 W	79	HED_ 5540 / AB 28	268/316	135.0	141.8	148.6	148.6	155.4	155.4	155.4	162.2	162.2	162.2
A-max 26	101-108			71.8	78.6	85.4	85.4	92.2	92.2	92.2	99.0	99.0	99.0
A-max 26	102-108	MEnc 13	275	78.9	85.7	92.5	92.5	99.3	99.3	99.3	106.1	106.1	106.1
A-max 26	102-108	MR	262	80.6	87.4	94.2	94.2	101.0	101.0	101.0	107.8	107.8	107.8
A-max 26	102-108	Enc 22	265	86.2	93.0	99.8	99.8	106.6	106.6	106.6	113.4	113.4	113.4
A-max 26	102-108	HED_ 5540	267/269	90.6	97.4	104.2	104.2	111.0	111.0	111.0	117.8	117.8	117.8
RE-max 29	131-134			71.8	78.6	85.4	85.4	92.2	92.2	92.2	99.0	99.0	99.0
RE-max 29	132/134	MR	262	80.6	87.4	94.2	94.2	101.0	101.0	101.0	107.8	107.8	107.8