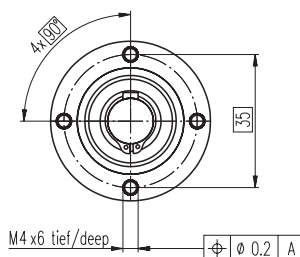
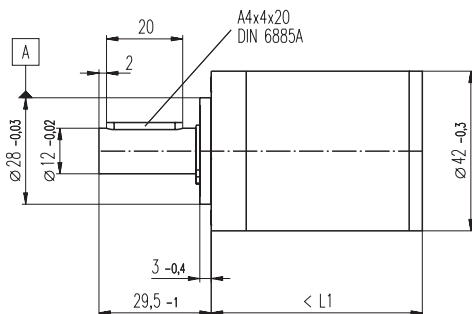


Planetary Gearhead GP 42 C Ø42 mm, 3 - 15 Nm

Ceramic Version



M 1:2

Technical Data

Planetary Gearhead	straight teeth
Output shaft	stainless steel
Bearing at output	preloaded ball bearings
Radial play, 12 mm from flange	max. 0.06 mm
Axial play at axial load	< 5 N 0 mm > 5 N max. 0.3 mm
Max. permissible axial load	150 N
Max. permissible force for press fits	300 N
Sense of rotation, drive to output	=
Recommended input speed	< 8000 rpm
Recommended temperature range	-20 ... +100°C
Extended area as option	-35 ... +100°C
Number of stages	1 2 3 4
Max. radial load, 12 mm from flange	120 N 150 N 150 N 150 N

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

Gearhead Data		Order Number						
		203113	203115	203120	203125	203128	203134	203139
1 Reduction		3.5 : 1	12 : 1	43 : 1	91 : 1	150 : 1	319 : 1	546 : 1
2 Reduction absolute		7/2	49/4	343/8	91	2401/16	637/2	546
3 Mass inertia	gcm ²	14	15	15	15	15	15	14
4 Max. motor shaft diameter	mm	10	10	10	10	10	10	10
Order Number		203114	203116	203121	203126	203130	203135	203140
1 Reduction		4.3 : 1	15 : 1	53 : 1	113 : 1	186 : 1	353 : 1	676 : 1
2 Reduction absolute		13/3	91/6	637/12	338/3	4459/24	28561/81	676
3 Mass inertia	gcm ²	9.1	15	15	9.4	15	9.4	9.1
4 Max. motor shaft diameter	mm	8	10	10	8	10	8	8
Order Number			203117	203122	203127	203131	203136	203141
1 Reduction			19 : 1	66 : 1	126 : 1	230 : 1	394 : 1	756 : 1
2 Reduction absolute			169/9	1183/18	126	8281/36	1183/3	756
3 Mass inertia	gcm ²		9.4	15	14	15	15	14
4 Max. motor shaft diameter	mm		8	10	10	10	10	10
Order Number			203118	203123	203129	203132	203137	203142
1 Reduction			21 : 1	74 : 1	156 : 1	257 : 1	441 : 1	936 : 1
2 Reduction absolute			21	147/2	156	1029/4	441	936
3 Mass inertia	gcm ²		14	15	9.1	15	14	9.1
4 Max. motor shaft diameter	mm		10	10	8	10	10	8
Order Number			203119	203124		203133	203138	
1 Reduction			26 : 1	81 : 1		285 : 1	488 : 1	
2 Reduction absolute			26	2197/27		15379/54	4394/9	
3 Mass inertia	gcm ²		9.1	9.4		15	9.4	
4 Max. motor shaft diameter	mm		8	8		10	8	
5 Number of stages		1	2	3	3	4	4	4
6 Max. continuous torque	Nm	3.0	7.5	15	15	15	15	15
7 Intermittently permissible torque at gear output	Nm	4.5	11.3	22.5	22.5	22.5	22.5	22.5
8 Max. efficiency	%	90	81	72	72	64	64	64
9 Weight	g	260	360	460	460	560	560	560
10 Average backlash no load	°	0.6	0.8	1.0	1.0	1.0	1.0	1.0
11 Gearhead length L1	mm	40.9	55.4	69.9	69.9	84.4	84.4	84.4



Combination									
+ Motor	Page	+ Tacho	Page	+ Brake	Page	Overall length [mm] = Motor length + gearhead length + (tacho / brake) + assembly parts			
RE 35, 90 W	81					111.9	126.4	140.9	155.4
RE 35, 90 W	81	MR	247			123.3	137.8	152.3	166.8
RE 35, 90 W	81	HED_ 5540	250/252			132.9	147.4	161.9	176.4
RE 35, 90 W	81	DCT 22	259			130.0	144.5	159.0	173.5
RE 35, 90 W	81			AB 40	289	148.0	162.5	177.0	191.5
RE 36, 70 W	82					112.2	126.7	141.2	155.7
RE 36, 70 W	82	MR	247			123.6	138.1	152.6	167.1
RE 36, 70 W	82	HED_ 5540	250/252			133.2	147.7	162.2	176.7
RE 36, 70 W	82	DCT 22	259			130.3	144.8	159.3	173.8
RE 40, 150 W	83					112.0	126.5	141.0	155.5
RE 40, 150 W	83	MR	247			123.4	137.9	152.4	166.9
RE 40, 150 W	83	HED_ 5540	250/252			132.7	147.2	161.7	176.2
RE 40, 150 W	83	HEDL 9140	255			166.1	180.6	195.1	209.6
RE 40, 150 W	83			AB 40	289	148.1	162.6	177.1	191.6
RE 40, 150 W	83			AB 28	288	156.1	170.6	185.1	199.6
RE 40, 150 W	83	HED_ 5540	250/252	AB 40	289	165.2	179.7	194.2	208.7
RE 40, 150 W	83	HEDL 9140	255	AB 28	288	176.6	191.1	205.6	220.1
EC 40, 120 W	163					111.0	125.5	140.0	154.5
EC 40, 120 W	163	HED_ 5540	251/253			129.4	143.9	158.4	172.9
EC 40, 120 W	163	Res 26	260			137.6	152.1	166.6	181.1
EC 40, 120 W	163			AB 24	289	141.8	156.3	170.8	185.3
EC 45, 150 W	164					152.2	166.7	181.2	195.7
EC 45, 150 W	164	HEDL 9140	255			167.8	182.3	196.8	211.3
EC 45, 150 W	164	Res 26	260			152.2	166.7	181.2	195.7
EC 45, 150 W	164			AB 28	288	159.6	174.1	188.6	203.1
EC 45, 150 W	164	HEDL 9140	255	AB 28	288	176.6	191.1	205.6	220.1