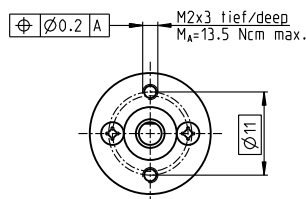
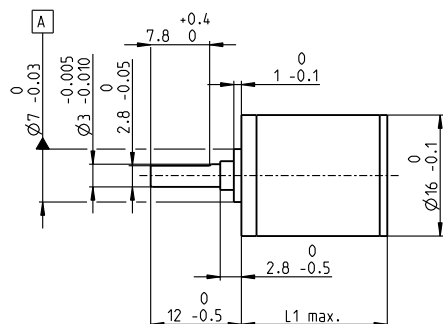


Spur Gearhead GS 16 V $\varnothing 16$ mm, 0.06–0.1 Nm

Reinforced



Technical data

Spur Gearhead	straight teeth
Output shaft	stainless steel, hardened
Bearing at output	preloaded ball bearings
Radial play, 6.5 mm from flange	max. 0.02 mm
Axial play at axial load	< 5 N 0 mm
	> 5 N max. 0.05 mm
Max. axial load (dynamic)	5 N
Max. force for press fits	5 N
Max. continuous input speed	8000 rpm
Recommended temperature range	-15...+100°C
Extended range as option	-40...+100°C
Number of stages	2 3 4 5 6 7
Max. radial load, 6.5 mm	
from flange	10 N 15 N 20 N 22 N 22 N 22 N

M 1:1

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

Part numbers

Gearhead data	235066	235070	235073	235076	235079	235082		
1 Reduction	6.4:1	22:1	76:1	261:1	900:1	3101:1		
2 Absolute reduction	403/63	12493/567	387283/6103	12005773/45927	372178963/413343	11537547853/3720087		
3 Max. motor shaft diameter	mm 1.5	1.5	1.5	1.5	1.5	1.5		
Part numbers	235068	235071	235074	235077	235080	235083		
1 Reduction	9.1:1	31:1	108:1	371:1	1278:1	4402:1		
2 Absolute reduction	899/99	27869/891	863939/6019	26782109/72171	830245379/649539	25737606749/6845851		
3 Max. motor shaft diameter	mm 1.5	1.5	1.5	1.5	1.5	1.5		
Part numbers	235069	235072	235075	235078	235081	235084		
1 Reduction	12:1	41:1	141:1	485:1	1670:1	5752:1		
2 Absolute reduction	961/81	29791/729	923521/6561	28629151/69049	887503681/631441	27512614111/4782969		
3 Max. motor shaft diameter	mm 1	1	1	1	1	1		
4 Number of stages	2	3	4	5	6	7		
5 Max. continuous torque	Nm 0.06	0.06	0.10	0.10	0.10	0.10		
6 Max. intermittent torque at gear output	Nm 0.15	0.15	0.30	0.30	0.30	0.30		
12 Direction of rotation, drive to output	=	≠	=	≠	=	≠		
7 Max. efficiency	% 81	73	66	59	53	48		
8 Weight	g 13.8	14.5	15.8	17.0	17.9	18.5		
9 Average backlash no load	° 1.0	1.0	1.2	1.2	1.5	1.5		
10 Mass inertia	gcm ² 0.0057	0.0052	0.0035	0.0032	0.0032	0.0032		
11 Gearhead length L1	mm 14.3	17.3	19.3	21.3	23.3	25.3		



Modular system

+ Motor	Page	+ Sensor/Brake	Page	Overall length [mm] = Motor length + gearhead length + (sensor/brake) + assembly parts					
A-max 16	171-174			39.8	42.8	44.8	46.8	48.8	50.8
A-max 16	172/174	13 GAMA	498	47.9	50.9	52.9	54.9	56.9	58.9
A-max 16	172/174	ENX 16 IMR	502	44.8	47.8	49.8	51.8	53.8	55.8
A-max 16	172/174	MR	533	44.8	47.8	49.8	51.8	53.8	55.8