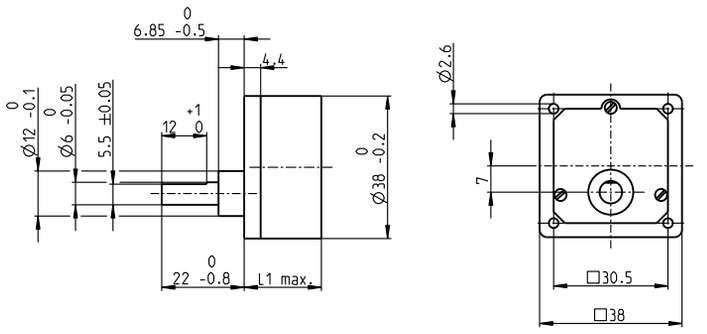
Spur Gearhead GS 38 A ∅38 mm, 0.1–0.6 Nm



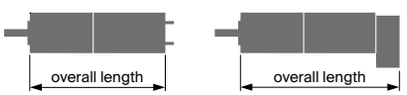
M 1:2

Technical data					
Spur Gearhead	straight teeth				
Output shaft	stainless steel				
Bearing at output	sleeve bearing				
Radial play, 12 mm from flange	max. 0.1 mm				
Axial play	0.03–0.2 mm				
Max. axial load (dynamic)	30 N				
Max. force for press fits	500 N				
Max. continuous input speed	5000 rpm				
Recommended temperature range	-5...+80 °C				
Number of stages	1	2	3	4	5
Max. radial load, 12 mm from flange	50 N	50 N	50 N	50 N	50 N

gear

Stock program
Standard program
Special program (on request)

Gearhead data			Part numbers								
			784397	784398	**784399**	784400	**784401**	773839	**784402**	784403	784404
1	Reduction		6:1	10:1	18:1	30:1	60:1	100:1	200:1	500:1	900:1
2	Absolute reduction		6	10	18	30	60	100	200	500	900
3	Max. motor shaft diameter	mm	3	3	3	3	3	3	3	3	3
4	Number of stages		2	2	3	3	4	4	5	6	6
5	Max. continuous torque	Nm	0.1	0.1	0.2	0.2	0.3	0.3	0.6	0.6	0.6
6	Max. intermittent torque at gear output	Nm	0.3	0.3	0.6	0.6	0.9	0.9	1.8	1.8	1.8
12	Direction of rotation, drive to output		=	=	≠	≠	=	=	≠	=	=
7	Max. efficiency	%	81	81	73	73	66	66	59	53	53
8	Weight	g	55	55	60	60	65	65	70	75	75
9	Average backlash no load	°	1.0	1.0	1.5	1.5	2.0	2.0	2.5	3.0	3.0
10	Mass inertia	gcm²	0.7	0.6	0.4	0.4	0.3	0.3	0.2	0.2	0.2
11	Gearhead length L1	mm	20.6	20.6	23.1	23.1	25.6	25.6	28.1	30.6	30.6



Modular system											
+ Motor	Page	**+ Sensor/Brake**	Page	**Overall length [mm]** = Motor length + gearhead length + (sensor/brake) + assembly parts							
A-max 26	183-186			65.4	65.4	67.9	67.9	70.4	70.4	72.9	75.4	75.4
A-max 26	184-186	13 GAMA	498	72.5	72.5	75.0	75.0	77.5	77.5	80.0	82.5	82.5
A-max 26	184-186	ENX 25 IMR	505	74.2	74.2	76.7	76.7	79.2	79.2	81.7	84.2	84.2
A-max 26	184-186	HED_ 5540	536/538	83.8	83.8	86.3	86.3	88.8	88.8	91.3	93.8	93.8
A-max 32	187			83.6	83.6	86.1	86.1	88.6	88.6	91.1	93.6	93.6
A-max 32	188			82.2	82.2	84.7	84.7	87.2	87.2	89.7	92.2	92.2
A-max 32	188	ENX 32 IMR	506	93.4	93.4	95.9	95.9	98.4	98.4	100.9	103.4	103.4
A-max 32	188	HED_ 5540	536/538	103.0	103.0	105.5	105.5	108.0	108.0	110.5	113.0	113.0

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