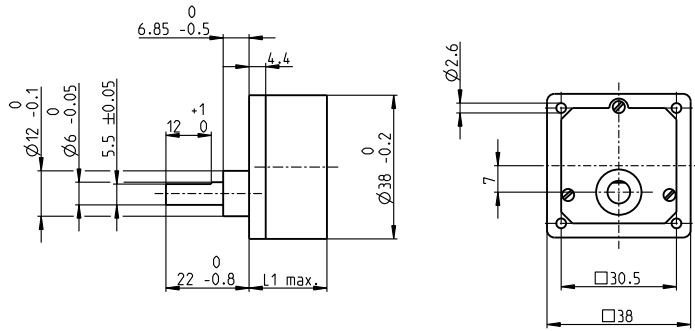


Spur Gearhead GS 38 A $\varnothing 38$ mm, 0.1–0.6 Nm



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

maxon gear

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

Part Numbers

Gearhead Data	Part Numbers									
	110451	110452	110453	110454	110455	110456	110457	110458	110459	
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	gcm ² 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	

*for EC 32 flat L1 is + 2.0 mm



maxon Modular System

+ Motor	Page	+ Sensor/Brake	Page	Overall length [mm] = Motor length + gearhead length + (sensor/brake) + assembly parts								
A-max 26	151-158			65.4	65.4	67.9	67.9	70.4	70.4	72.9	75.4	75.4
A-max 26	152-158	MEnc 13	408	72.5	72.5	75.0	75.0	77.5	77.5	80.0	82.5	82.5
A-max 26	152-158	MR	419	74.2	74.2	76.7	76.7	79.2	79.2	81.7	84.2	84.2
A-max 26	152-158	Enc 22	426	79.8	79.8	82.3	82.3	84.8	84.8	87.3	89.8	89.8
A-max 26	152-158	HED_ 5540	430/432	83.8	83.8	86.3	86.3	88.8	88.8	91.3	93.8	93.8
A-max 32	159/161			83.6	83.6	86.1	86.1	88.6	88.6	91.1	93.6	93.6
A-max 32	160/162			82.2	82.2	84.7	84.7	87.2	87.2	89.7	92.2	92.2
A-max 32	160/162	MR	420	93.4	93.4	95.9	95.9	98.4	98.4	100.9	103.4	103.4
A-max 32	160/162	HED_ 5540	430/432	103.0	103.0	105.5	105.5	108.0	108.0	110.5	113.0	113.0
EC 32 flat, 15 W	262			38.6	38.6	41.1	41.1	43.6	43.6	46.1	48.6	48.6
EC 32 flat, IE, IP 00	263			48.7	48.7	51.2	51.2	53.7	53.7	56.2	58.7	58.7
EC 32 flat, IE, IP 40	263			50.4	50.4	52.9	52.9	55.4	55.4	57.9	60.4	60.4