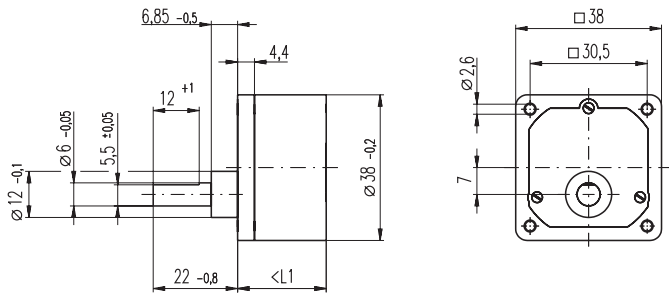


Spur Gearhead GS 38 A $\varnothing 38$ mm, 0.1 - 0.6 Nm



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. radial load, 12 mm from flange	50 N
Max. permissible axial load	30 N
Max. permissible force for press fits	500 N
Recommended input speed	< 5000 rpm
Recommended temperature range	-5 ... +80°C

maxon gear

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

Order Number

	110451	110452	110453	110454	110455	110456	110457	110458	110459
Gearhead Data									
1 Reduction	6 : 1	10 : 1	18 : 1	30 : 1	60 : 1	100 : 1	200 : 1	500 : 1	900 : 1
2 Reduction absolute	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	0.6	0.6	0.6	0.6
6 Intermittently permissible torque at gear output Nm	0.3	0.3	0.6	0.6	0.9	1.8	1.8	1.8	1.8
7 Sense of rotation, drive to output	=	=	≠	≠	=	=	≠	=	=
8 Max. efficiency %	81	81	73	73	66	66	59	53	53
9 Weight g	55	55	60	60	65	65	70	75	75
10 Average backlash no load °	1.0	1.0	1.5	1.5	2.0	2.0	2.5	3.0	3.0
11 Mass inertia gcm ²	0.7	0.6	0.4	0.4	0.3	0.2	0.2	0.2	0.2
12 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 is L1 + 2.0 mm



Combination

+ Motor	Page	+ Tacho / Brake	Page	Overall length [mm] = Motor length + gearhead length + (tacho / brake) + assembly parts								
F 2140, 4 W	94			64.7	64.7	67.2	67.2	69.7	69.7	72.2	74.7	74.7
F 2140, 6 W	95			68.7	68.7	71.2	71.2	73.7	73.7	76.2	78.7	78.7
F 2140, 6 W	96			67.7	67.7	70.2	70.2	72.7	72.7	75.2	77.7	77.7
F 2140, 6 W	96	Enc 22	261	86.2	86.2	88.7	88.7	91.2	91.2	93.7	96.2	96.2
A-max 26	115-122			65.4	65.4	67.9	67.9	70.4	70.4	72.9	75.4	75.4
A-max 26	115-121	MEnc 13	270	72.5	72.5	75.0	75.0	77.5	77.5	80.0	82.5	82.5
A-max 26	116-122	MR	258	74.2	74.2	76.7	76.7	79.2	79.2	81.7	84.2	84.2
A-max 26	116-122	Enc 22	261	79.8	79.8	82.3	82.3	84.8	84.8	87.3	89.8	89.8
A-max 26	116-122	HED_ 5540	263/265	84.2	84.2	86.7	86.7	89.2	89.2	91.7	94.2	94.2
A-max 32	123/125			83.6	83.6	86.1	86.1	88.6	88.6	91.1	93.6	93.6
A-max 32	124/126			82.2	82.2	84.7	84.7	87.2	87.2	89.7	92.2	92.2
A-max 32	124/126	MR	259	93.4	93.4	95.9	95.9	98.4	98.4	100.9	103.4	103.4
A-max 32	124/126	HED_ 5540	263/265	103.0	103.0	105.5	105.5	108.0	108.0	110.5	113.0	113.0
RE-max 21	137/138			49.6	49.6	52.1	52.1	54.6	54.6	57.1	59.6	59.6
RE-max 21, 3.5 W	138	MR	255/256	54.7	54.7	57.2	57.2	59.7	59.7	62.2	64.7	64.7
RE-max 21	139/140			52.2	52.2	54.7	54.7	57.2	57.2	59.7	62.2	62.2
RE-max 21, 6 W	140	MR	255/256	56.5	56.5	59.0	59.0	61.5	61.5	64.0	66.5	66.5
RE-max 24	141-144			52.6	52.6	55.1	55.1	57.6	57.6	60.1	62.6	62.6
RE-max 24	142/144	MR	255/256	57.6	57.6	60.1	60.1	62.6	62.6	65.1	67.6	67.6
EC 32 flat, 15 W	197			38.6	38.6	41.1	41.1	43.6	43.6	46.1	48.6	48.6
EC 32 flat, IE, IP 00	198			48.7	48.7	51.2	51.2	53.7	53.7	56.2	58.7	58.7
EC 32 flat, IE, IP 40	198			50.4	50.4	52.9	52.9	55.4	55.4	57.9	60.4	60.4