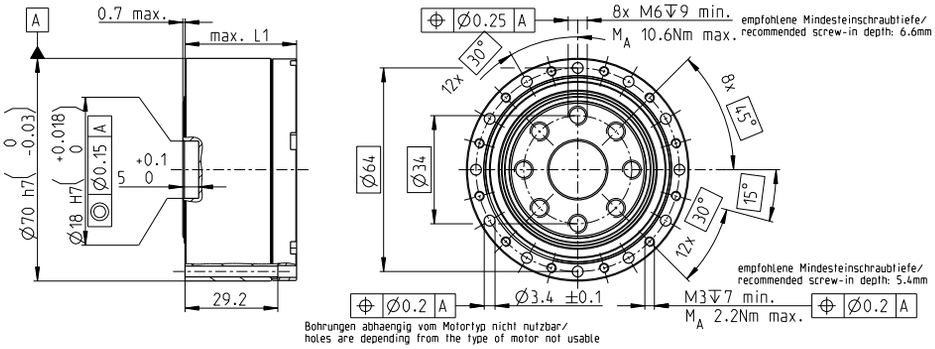
GSW 70 A ∅70 mm, strain wave gearheads

NEW

Zero backlash





M 5:2

Stock program
Standard program
Special program (on request)

			Part numbers		
			889224	889723	889738
Gearhead data (provisional)					
1	Reduction		50:1	80:1	100:1
2	Max. continuous torque	Nm	24.0	33.0	34.0
3	Max. intermittent torque	Nm	39.0	51.0	57.0
4	Max. overload torque	Nm	69.0	89.0	95.0
5	Max. continuous input speed	rpm	3500	3500	3500
	Max. intermittent input speed	rpm	6500	6500	6500
6	Max. efficiency	%	75	75	75
7	Weight	g	473	473	473
8	Mass moment of inertia	gcm²	153	148	146
9	Gearhead length L1[1]	mm	29.2	29.2	29.2
10	Mech. positioning accuracy	arcmin	1	1	1
11	Mech. repeatability	arcmin	0.15	0.15	0.15
12	Hysteresis loss	arcmin	2	1	1
13	Torsional rigidity C1	10^4 Nm/rad	1.1	1.3	1.3
	Torsional rigidity C2	10^4 Nm/rad	1.3	1.7	1.7
	Torsional rigidity C3	10^4 Nm/rad	2.0	2.5	2.5
14	Torque M1	Nm	7.0	7.0	7.0
	Torque M2	Nm	25.0	25.0	25.0
15	Starting torque, no load	mNm	73.0	48.0	43.0
16	Backdriving torque, no load	Nm	5.2	5.7	6.0
17	Ratcheting torque	Nm	150	245	180
18	Buckling torque	Nm	560	560	560

Technical data			Modular system
19	Bearing at output	cross roller bearings	**BLDC Motors**
20	Tilting rigidity	25.7 Nm/arcmin	207–208_EC-i 52
21	Max. tilting torque	57 Nm	229–231_EC 60 flat
22	Max. radial load	2345 N	232–234_EC 90 flat
23	Max. axial load	4700 N	
24	Dynamic load rating	2110 N	**Servo Motors**
25	Static load rating	2790 N	109–111_IDX 56 IE
26	Distance rolling bearing center to output	10 mm	119–121_IDX 56
27	Pitch diameter	49.7 mm	
28	Ambient temperature	-40...+100 °C	

Additional information

Explanation of the line numbers and additional information on page 358.

[1]This length may vary depending on the configuration and choice of motor. The effective length is calculated at the end of the configuration process.

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