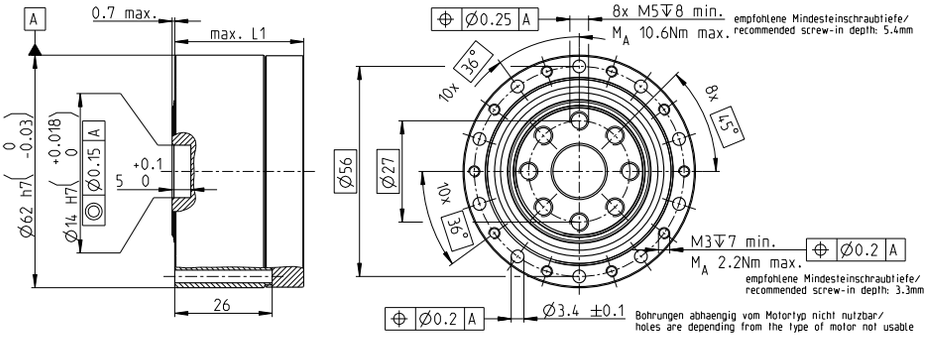
GSW 62 A ∅62 mm, strain wave gearhead

Zero backlash





M 5:2

Stock program
Standard program
Special program (on request)

			Part numbers		
			867137	867132	867073
Gearhead data					
1	Reduction		50:1	80:1	100:1
2	Max. continuous torque	Nm	18.0	19.0	27.0
3	Max. intermittent torque	Nm	23.0	29.0	37.0
4	Max. overload torque	Nm	48.0	61.0	71.0
5	Max. continuous input speed	rpm	3500	3500	3500
	Max. intermittent input speed	rpm	7300	7300	7300
6	Max. efficiency	%	72	72	75
7	Weight	g	460	460	460
8	Mass moment of inertia	gcm²	88.0	85.0	85.0
9	Gearhead length L1[1]	mm	32.4	32.4	32.4
10	Mech. positioning accuracy	arcmin	1.5	1.5	1.5
11	Mech. repeatability	arcmin	0.10	0.10	0.10
12	Hysteresis loss	arcmin	2.0	1.5	1.5
13	Torsional rigidity C1	10^4 Nm/rad	0.67	0.84	0.84
	Torsional rigidity C2	10^4 Nm/rad	0.88	0.94	0.94
	Torsional rigidity C3	10^4 Nm/rad	1.20	1.30	1.30
14	Torque M1	Nm	3.9	3.0	3.0
	Torque M2	Nm	12.0	7.0	7.0
15	Starting torque, no load	mNm	50.3	33.0	28.5
16	Backdriving torque, no load	Nm	2.5	2.0	2.3
17	Ratcheting torque	Nm	105	140	110
18	Buckling torque	Nm	330	330	330

Technical data			**Modular system**
19	Bearing at output	cross roller bearings	**BLDC Motors**
20	Tilting rigidity	17 Nm/arcmin	138_ECX FLAT 42
21	Max. tilting torque	42.0 Nm	207–208_EC-i 52
22	Max. radial load	2030 N	226–227_ECX FLAT 42
23	Max. axial load	4075 N	229–231_EC 60 flat
24	Dynamic load rating	2060 N	
25	Static load rating	2640 N	**Servo Motors**
26	Distance rolling bearing center to output	10 mm	109–111_IDX 56 IE
27	Pitch diameter	42.7 mm	119–121_IDX 56
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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