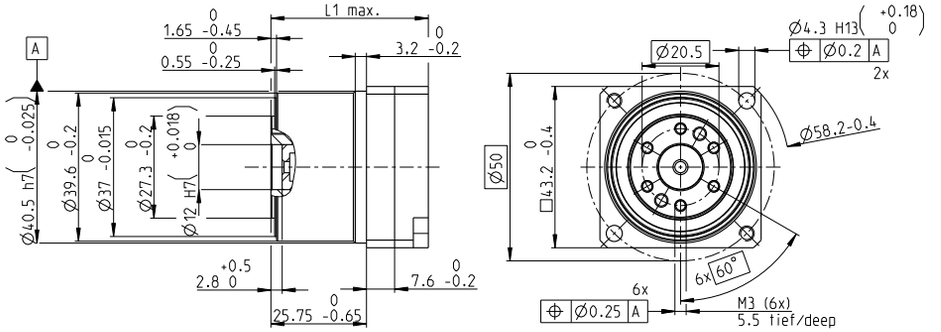
GSW 40 HP ∅40 mm, strain wave gearheads

NEW

Zero backlash





M 1:2

Stock program
Standard program
Special program (on request)

Gearhead data (provisional)			Part numbers 951450	885707
1	Reduction		50:1	100:1
2	Max. continuous torque	Nm	6.6	11.6
3	Max. intermittent torque	Nm	10.0	14.3
4	Max. overload torque	Nm	20.4	32.5
5	Max. continuous input speed	rpm	3500	3500
	Max. intermittent input speed	rpm	8500	8500
6	Max. efficiency	%	72	74
7	Weight	g	240	240
8	Mass moment of inertia	gcm²	30	30
9	Gearhead length L1	mm	42.3	42.3
10	Mech. positioning accuracy	arcmin	2.0	1.5
11	Mech. repeatability	arcmin	0.2	0.2
12	Hysteresis loss	arcmin	2.0	2.0
13	Torsional rigidity C1	10^4 Nm/rad	0.221	0.267
	Torsional rigidity C2	10^4 Nm/rad	0.300	0.333
	Torsional rigidity C3	10^4 Nm/rad	0.320	0.432
14	Torque M1	Nm	0.80	0.80
	Torque M2	Nm	2.00	2.00
15	Starting torque, no load	mNm	20.0	15.0
16	Backdriving torque, no load	Nm	1.44	1.95
17	Ratcheting torque	Nm	40.8	55.9
18	Buckling torque	Nm	90.0	90.0

Technical data			Modular system
19	Bearing at output	Double-row angular ball bearing	**BLDC Motors**
20	Tilting rigidity	3.5 Nm/arcmin	137–138_ECX FLAT 42
21	Max. tilting torque	7.5 Nm	190_ECX PRIME 30 L
22	Max. radial load	1000 N	201–206_EC-i 40
23	Max. axial load	1100 N	223–225_ECX FLAT 42 S
24	Dynamic load rating	5470 N	226–227_ECX FLAT 42 M
25	Static load rating	4810 N	**DC Motors**
26	Distance rolling bearing center to output	6 mm	288_DCX 35 L
27	Pitch diameter	31 mm	
28	Ambient temperature	-40...+100 °C	

Additional information

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

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