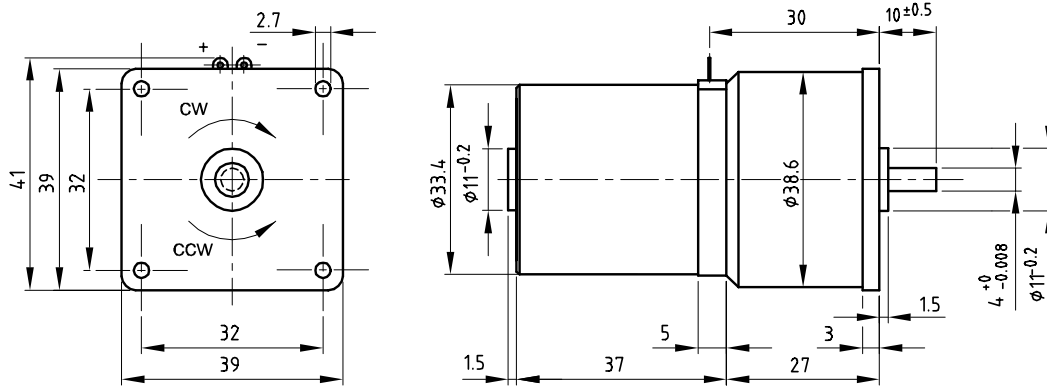


Dimensional drawing



Gear Motor data

Gear motor Order number	Gear ratio	Direction of rotation	Nominal voltage	Maximal voltage	Maximum torque continuous [Nm] (nominal load)	Maximum torque intermittent [Nm]	Speed at no load	Speed at nominal	Current at no load	Current at nominal	Maximal radial force [N]	Maximal axial force [N]						
			[V]	[V]			[rpm]	load [rpm]	[mA]	load [mA]								
9904 120 52 +	401	5.57:1	6	7.2	0.015	0.03	686	590	118	341	2	2						
													12	14.4	643	554	60	165
													24	28.8	644	557	29	82
402	602	9:1	6	7.2	0.025	0.05	427	364	110	344	2	2						
													12	14.4	400	342	57	166
													24	28.8	400	345	28	83
603	703	16.7:1	6	7.2	0.05	0.1	231	194	101	363	4	4						
													12	14.4	216	182	52	175
													24	28.8	217	183	26	87
404	604	27:1	6	7.2	0.08	0.16	143	120	98	358	4	4						
													12	14.4	134	113	51	173
													24	28.8	134	114	25	86
605	705	50:1	6	7.2	0.15	0.3	77	64	95	369	6	6						
													12	14.4	73	60	50	178
													24	28.8	73	61	24	88
406	606	81:1	6	7.2	0.15	0.3	48	43	94	263	6	6						
													12	14.4	45	40	50	129
													24	28.8	45	40	24	64
607	707	150.4:1	6	7.2	0.15	0.3	25.8	24.2	92	195	8	8						
													12	14.4	24.2	22.6	49	97
													24	28.8	24.2	22.7	24	48
408	608	243:1	6	7.2	0.15	0.3	16.0	15.5	92	156	8	8						
													12	14.4	15.0	14.4	49	79
													24	28.8	15.0	14.4	24	39
609	709	451.25:1	6	7.2	0.15	0.3	8.6	8.3	92	129	10	10						
													12	14.4	8.1	7.9	49	66
													24	28.8	8.1	7.9	24	32
411	611	729:1	6	7.2	0.15	0.3	5.3	5.3	92	115	10	10						
													12	14.4	5.0	4.9	49	59
													24	28.8	5.0	4.9	24	29

Motor data

	Nominal Voltage [V]	Rotor resist. [Ohm]	Speed at no load [rpm]	Stall torque [mNm]	Torque const. [mNm/A]
9904 120 524..	6	3.6	3800	23	14
9904 120 526..	12	15	3550	23	30
9904 120 527..	24	58	3550	23	61

General data

*	Type of bearings	sleeve
*	Commutation system	graphite / copper
*	Gear material	plastic
*	Axial play	0.5 mm
*	Ambient temp. range operating	-20/+60 °C
*	Ambient temp. range storage	-40/+70 °C
*	Thermal resistance winding-ambient	30 K/W
*	Mass of gear motor	125 g

Options : Special shafts /Other supply voltages