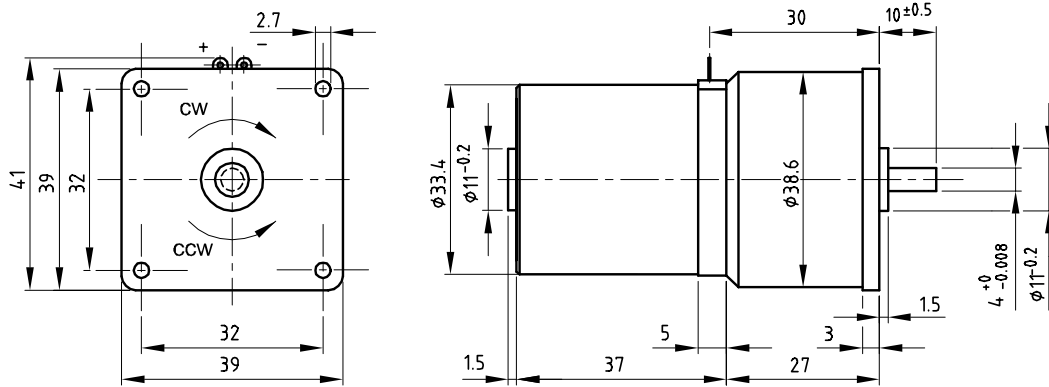


Dimensional drawing



Gear Motor data

Gear motor Order number	Gear ratio	Direction of rotation	Nominal voltage [V]	Maximal voltage [V]	Maximum torque continuous [Nm] (nominal load)	Maximum torque intermittent [Nm]	Speed at no load [rpm]	Speed at nominal load [rpm]	Current at no load [mA]	Current at nominal load [mA]	Maximal radial force [N]	Maximal axial force [N]
			6	7.2			0.015	0.03	660	520		
9904 120 52 + 401 601 701	5.57:1	cw	6	7.2	0.015	0.03	660	520	85	350	2	2
			12	14.4			614	525	55	170		
			24	28.8			646	540	30	90		
402 602 702	9:1	cw	6	7.2	0.025	0.05	415	310	85	350	2	2
			12	14.4			380	310	55	170		
			24	28.8			400	335	30	90		
403 603 703	16.7:1	ccw	6	7.2	0.05	0.1	215	170	85	350	4	4
			12	14.4			205	170	55	175		
			24	28.8			218	180	30	90		
404 604 704	27:1	ccw	6	7.2	0.08	0.16	133	112	85	350	4	4
			12	14.4			130	107	55	175		
			24	28.8			135	113	30	90		
405 605 705	50:1	cw	6	7.2	0.15	0.3	75	58	85	350	6	6
			12	14.4			67	57	55	175		
			24	28.8			73	60	30	90		
406 606 706	81:1	cw	6	7.2	0.15	0.3	45	39	85	240	6	6
			12	14.4			42	39	55	150		
			24	28.8			44	41	30	67		
407 607 707	150.4:1	ccw	6	7.2	0.15	0.3	24	21	85	165	8	8
			12	14.4			23	22	55	90		
			24	28.8			24	23	30	50		
408 608 708	243:1	ccw	6	7.2	0.15	0.3	15	14	85	140	8	8
			12	14.4			15	14	55	80		
			24	28.8			15	14	30	42		
409 609 709	451.25:1	cw	6	7.2	0.15	0.3	8.2	8.1	85	120	10	10
			12	14.4			8	7.8	55	75		
			24	28.8			8	7.8	30	35		
411 611 711	729:1	cw	6	7.2	0.15	0.3	4.8	5	85	110	10	10
			12	14.4			4.8	5	55	70		
			24	28.8			4.8	5	30	33		

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