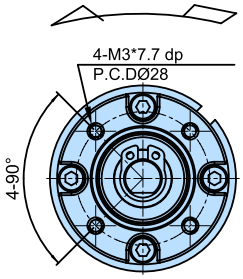
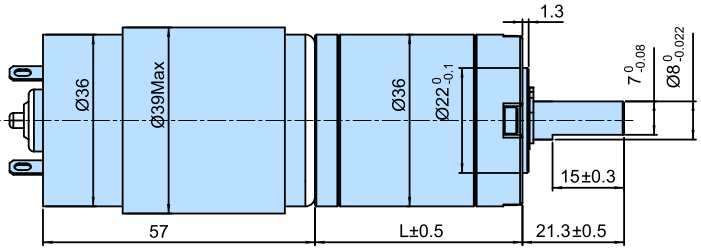
PG36555

PG36 + DC555 | 4 windings | 14 reduction ratios







Dimensions in mm. Housing length L is listed in the ratio table.

MOTOR SELECTION | DC555

Winding	124500	126000	244500	246000
Voltage (V)	12	12	24	24
No-load speed (rpm)	4500	6000	4500	6000
Rated speed (rpm)	3929	5244	3980	5300
No-load current (mA)	280	420	140	250
Rated current (mA)	840	1340	440	730
Rated torque (gf.cm)	183	215	190	244
Rated power (W)	7.42	11.6	7.55	12.9

Motor parameters measured at 20 °C ambient.

RATIO SELECTION & PERFORMANCE | PG36

Ratio :1	Gear stages	Length L mm	Max. cont. torque kgf.cm	Breaking torque kgf.cm	Efficiency %	Assembly ref. weight g
5	1	29.9	20	60	90	374.9
18.5	2	37.2	50	150	81	417.1
26	2	37.2	50	150	81	417.1
69	3	43.5	50	150	72	451.1
96	3	43.5	50	150	72	451.1
134	3	43.5	50	150	72	451.1
255	4	49.8	100	300	60	488.2
356	4	49.8	100	300	60	488.2
498	5	56.1	100	300	50	521.7
696	4	49.8	100	300	60	488.2
943	5	56.1	100	300	50	521.7
1319	5	56.1	100	300	50	521.7
1844	5	56.1	100	300	50	521.7
2578	5	56.1	100	300	50	521.7

Reference assembly weight includes the gearbox and DC555 motor (230 g).

PG36555 | MECHANICAL DATA & CONFIGURATION

MOTOR | MECHANICAL DATA & MATERIALS

Motor diameter / body length	36 mm / 57 mm
Motor reference weight	230 g
Housing material	Zinc-plated steel
Winding material	Enameled copper wire
Magnet material	Ferrite
Brush material	Metal graphite
Insulation class / pole pairs	UEW / 2
Working lifespan	600 hours

GEARBOX | MECHANICAL DATA & MATERIALS

Gearbox diameter	36 mm
Output shaft diameter / extension	8 mm / 21.3 mm
Housing material	Powder Metallurgy (Fe)
Gear material	Powder Metallurgy (Fe) / Plastics
Gear design	Helical Gear / Spur Gear
Output shaft bearing	Ball Bearing
Lubricant	Graphene oil
Gear module	0.5
Axial play	≤ 0.2 mm
Radial play	≤ 0.1 mm
Backlash	≤ 1.5°
Operating temperature	-30 ~ 65 °C

CONFIGURATION OPTIONS

Module	Model	+ L (mm)
Encoder	ME-37	18

+ L = additional axial length with encoder fitted.