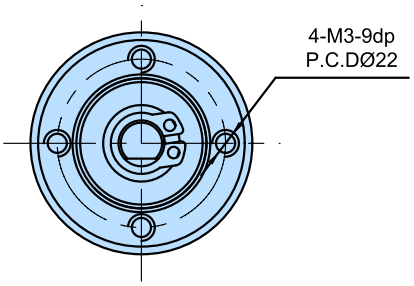
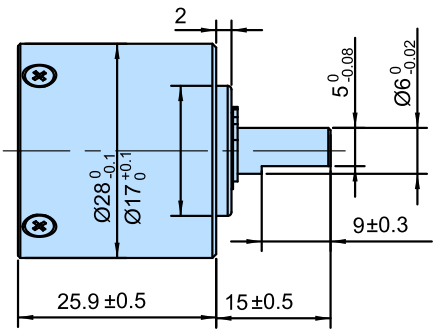
PG28

Ø28 mm · 11 ratios · 5 housing lengths







Shown: L = 25.9 mm. All dimension drawings are on Sheet 2. Dimensions in mm.

RATIO SELECTION & PERFORMANCE

Model	Ratio :1	Gear stages	Length L mm	Max. cont. torque kgf.cm	Breaking torque kgf.cm	Efficiency %	Reference weight g
PG28-5K	5	1	25.9	20	60	91	66.6
PG28-18.5K	18.5	2	33.2	50	150	82	84.8
PG28-26K	26	2	33.2	50	150	82	84.8
PG28-69K	69	3	39.5	100	300	72	102.9
PG28-96K	96	3	39.5	100	300	72	102.9
PG28-134K	134	3	39.5	100	300	72	102.9
PG28-255K	255	4	45.8	100	300	60	121.6
PG28-356K	356	4	45.8	100	300	60	121.6
PG28-696K	696	4	45.8	100	300	60	121.6
PG28-943K	943	5	52.1	100	300	50	139
PG28-1319K	1319	5	52.1	100	300	50	139

Reference weights are based on one measured gear ratio per stage configuration.

MECHANICAL, MATERIALS & OPERATION

Gearbox diameter	28 mm
Output shaft diameter	6 mm
Pinion hole diameter	φ2.3 / φ3.17 mm
Axial play	≤ 0.2 mm
Radial play	≤ 0.1 mm
Backlash	≤ 1.5°
Gear module	0.5

Operating temperature	-30 ~ 65 °C
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

CONFIGURATION | COMPATIBLE MOTORS

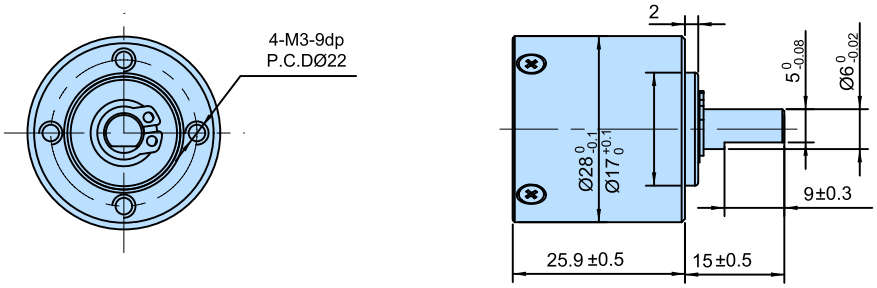
Motor type	Model	Combination
Brushed DC motor	DC2953 / DC395	with PG28
Brushless DC motor	BL2838	PG28 + BL2838

Mounting pattern and motor interface must match the selected assembly.

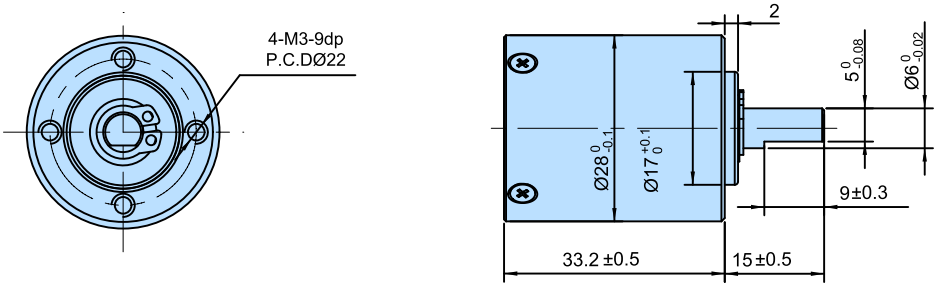
PG28 | DIMENSIONS & MOUNTING

Dimensions in mm · Do not scale · Housing length includes mounting plate

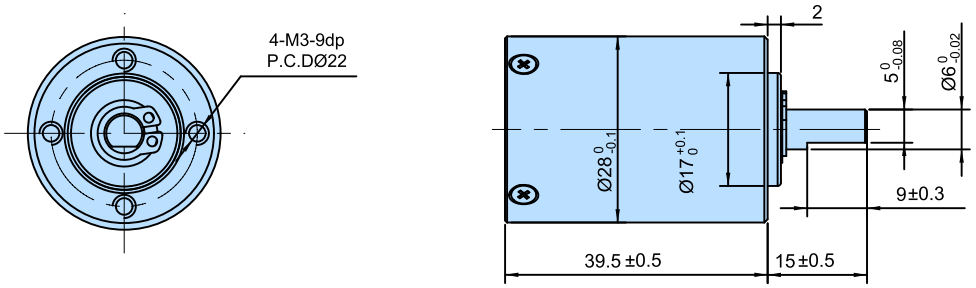
L = 25.9 mm Ratio 5 :1



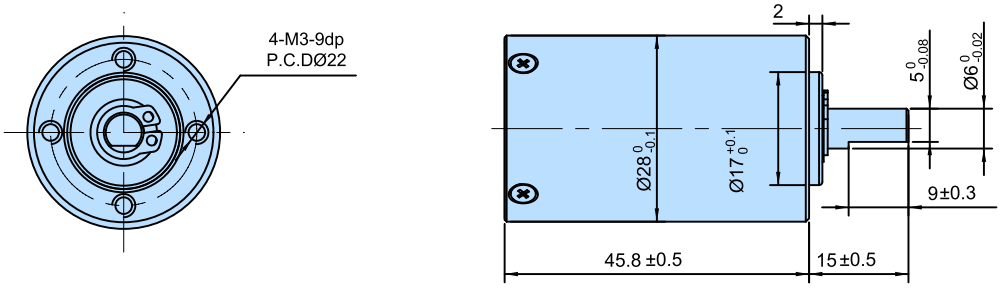
L = 33.2 mm Ratio 18.5 / 26 :1



L = 39.5 mm Ratio 69 / 96 / 134 :1



L = 45.8 mm Ratio 255 / 356 / 696 :1



L = 52.1 mm Ratio 943 / 1319 :1

