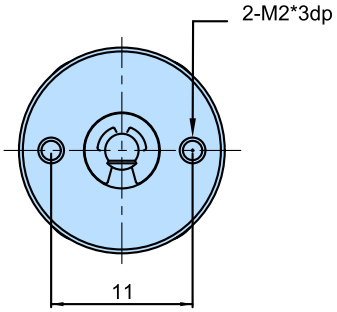
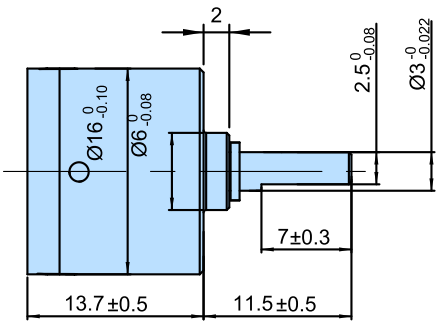
PG16

Ø16 mm · 12 ratios · 5 housing lengths







Shown: L = 13.7 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
PG16-4K	4	1	13.7	1	3	90	14.1
PG16-4.75K	4.75	1	13.7	1	3	90	14.1
PG16-12.3K	12.3	2	17.3	1.5	4.5	81	17.4
PG16-16K	16	2	17.3	1.5	4.5	81	17.4
PG16-19K	19	2	17.3	1.5	4.5	81	17.4
PG16-42.8K	42.8	3	20.9	4	12	72	20.9
PG16-64K	64	3	20.9	4	12	72	20.9
PG16-76K	76	3	20.9	4	12	72	20.9
PG16-150K	150	4	24.5	4	12	65	25
PG16-256K	256	4	24.5	4	12	65	25
PG16-712K	712	5	28.1	4	12	50	27
PG16-1024K	1024	5	28.1	4	12	50	27

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

MECHANICAL, MATERIALS & OPERATION

Gearbox diameter	16 mm
Output shaft diameter	3 mm
Pinion hole diameter	φ1.5 mm
Axial play	≤ 0.2 mm
Radial play	≤ 0.1 mm
Backlash	≤ 1.5°
Gear module	0.3

Operating temperature	-30 ~ 65 °C
Housing material	Powder Metallurgy (Fe)
Gear material	Powder Metallurgy (Fe) / Plastics
Gear design	Spur Gear
Output shaft bearing	Dual Ball bearing
Lubricant	Graphene oil

CONFIGURATION | COMPATIBLE MOTORS

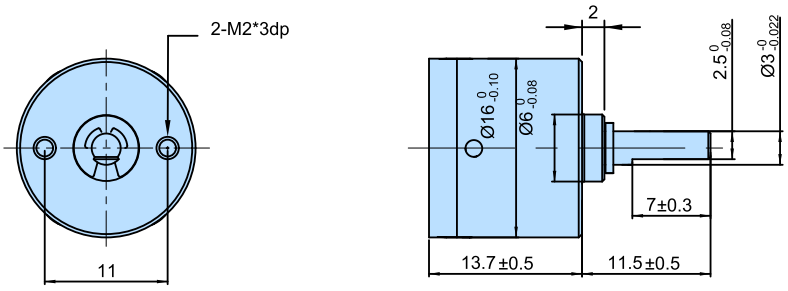
Motor type	Model	Combination
Brushed DC motor	DC050	PG16 + DC050
Brushless DC motor	BL16	PG16 + BL16

Mounting pattern and motor interface must match the selected assembly.

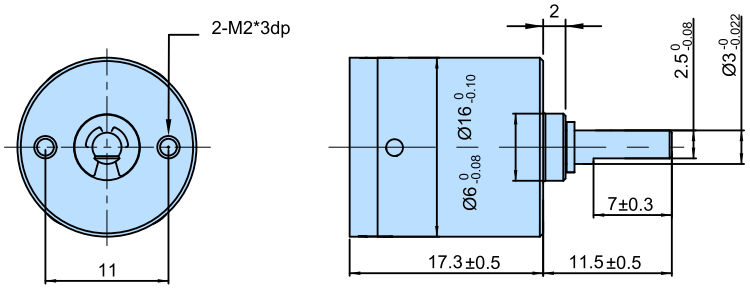
PG16 | DIMENSIONS & MOUNTING

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

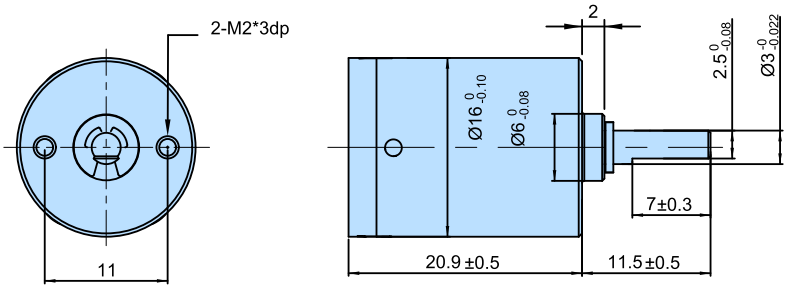
L = 13.7 mm Ratio 4 / 4.75 :1



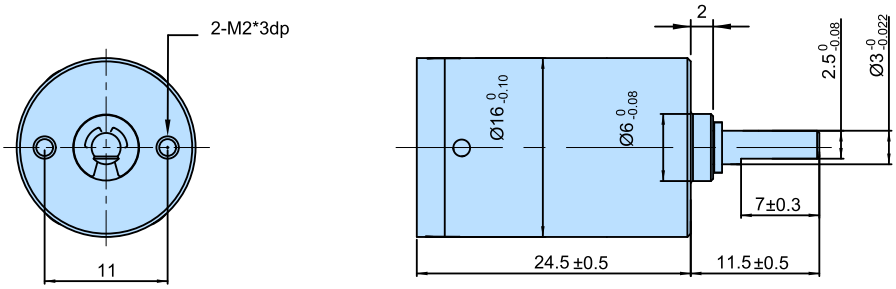
L = 17.3 mm Ratio 12.3 / 16 / 19 :1



L = 20.9 mm Ratio 42.8 / 64 / 76 :1



L = 24.5 mm Ratio 150 / 256 :1



L = 28.1 mm Ratio 712 / 1024 :1

