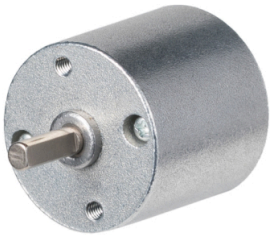
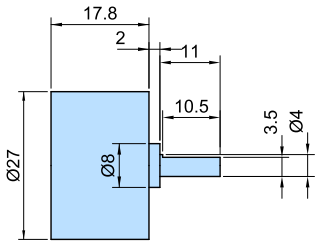
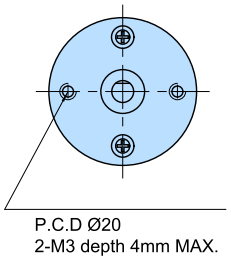
SG27

8 ratios · 4 housing lengths







Shown: L = 17.8 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
SG27-30K	30	4	17.8	1	3	59	35
SG27-39K	39	4	17.8	1	3	59	35
SG27-75K	75	4	17.8	1	3	59	35
SG27-98K	98	5	20.3	1.2	3.6	53	36
SG27-244K	244	5	20.3	1.6	4.8	53	36
SG27-187K	187	6	22.6	1.6	4.8	48	37
SG27-610K	610	6	22.6	2	6	48	37
SG27-510K	510	7	25.1	2	6	48	38

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

MECHANICAL, MATERIALS & OPERATION

Gearbox diameter	27 mm
Output shaft diameter	4 mm
Pinion hole diameter	φ2 mm
Axial play	0.3 mm
Radial play	0.05 mm
Backlash	2°
Gear module	0.4

Operating temperature	-30 ~ 65 °C
Housing material	Zinc Alloy (Die casting)
Gear material	Powder Metallurgy (Fe) / Plastics / Steel
Gear design	Helical Gear / Spur Gear
Output shaft bearing	Sleeve Bearing
Lubricant	FUMIO

CONFIGURATION | COMPATIBLE MOTORS

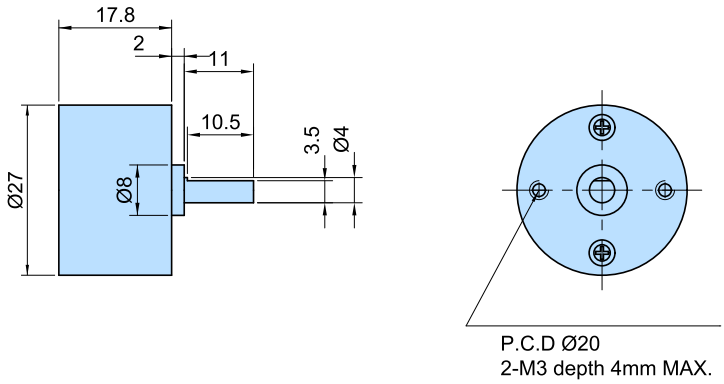
Motor type	Model	Combination
Brushed DC motor	DC27	SG27 + DC27

Mounting pattern and motor interface must match the selected assembly.

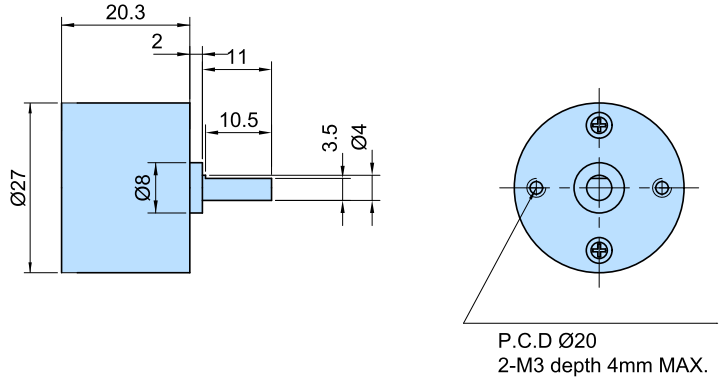
SG27 | DIMENSIONS & MOUNTING

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

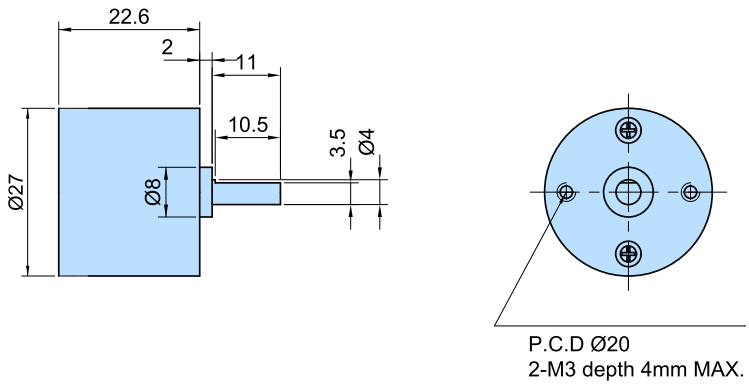
L = 17.8 mm Ratio 30 / 39 / 75 :1



L = 20.3 mm Ratio 98 / 244 :1



L = 22.6 mm Ratio 187 / 610 :1



L = 25.1 mm Ratio 510 :1

