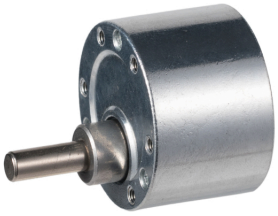
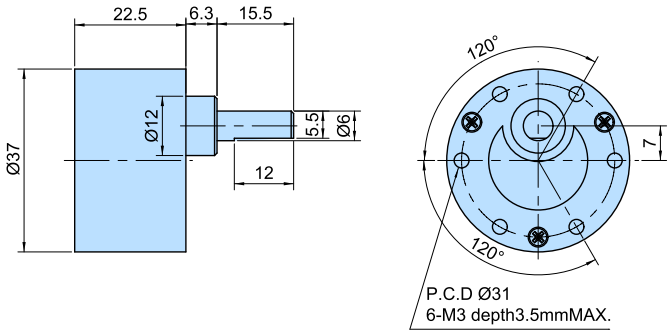
SG37A

16 ratios · 4 housing lengths





Shown: L = 22.5 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
SG37A-10K	10	2	22.5	1	3	81	64
SG37A-20K	20	3	22.5	2	6	73	70
SG37A-30K	30	3	22.5	2	6	73	70
SG37A-40K	40	4	25	3	9	66	76
SG37A-60K	60	4	25	4	12	66	76
SG37A-90K	90	4	25	4	12	66	76
SG37A-100K	100	4	25	4	12	66	76
SG37A-120K	120	5	27	6	18	59	82
SG37A-180K	180	5	27	6	18	59	82
SG37A-270K	270	5	27	6	18	59	82
SG37A-300K	300	5	27	6	18	59	82
SG37A-540K	540	6	29	6	18	53	88
SG37A-810K	810	6	29	6	18	53	88
SG37A-1080K	1080	7	29	6	18	48	96
SG37A-1620K	1620	7	29	6	18	48	96
SG37A-2430K	2430	7	29	6	18	48	96

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

MECHANICAL, MATERIALS & OPERATION

Gearbox diameter	37 mm
Output shaft diameter	6 mm
Pinion hole diameter	φ2 mm
Axial play	0.35 mm
Radial play	0.05 mm
Backlash	2°
Gear module	0.5

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

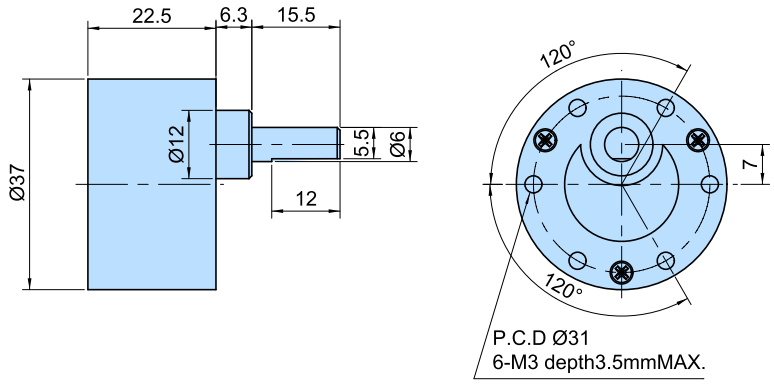
CONFIGURATION | COMPATIBLE MOTORS

Motor type	Model	Combination
Brushed DC motor	DC528	SG37A + DC528
Brushless DC motor	BL3229	SG37A + BL3229

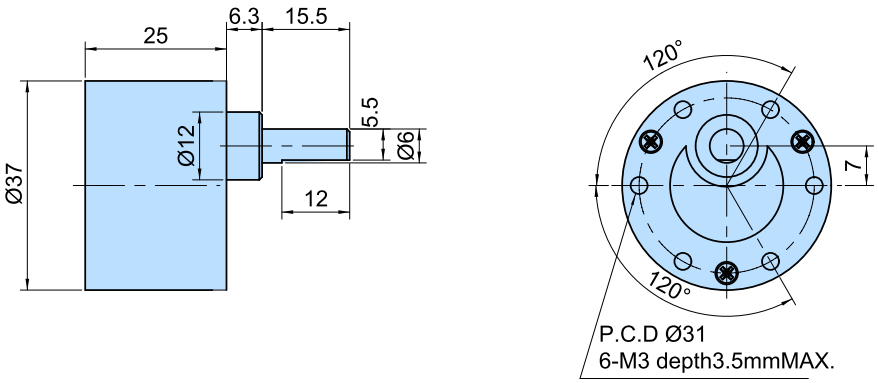
SG37A | DIMENSIONS & MOUNTING

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

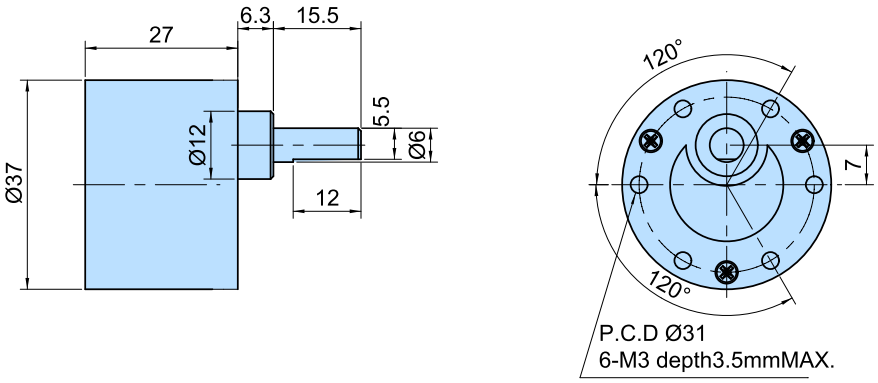
L = 22.5 mm Ratio 10 / 20 / 30 :1



L = 25 mm Ratio 40 / 60 / 90 / 100 :1



L = 27 mm Ratio 120 / 180 / 270 / 300 :1



L = 29 mm Ratio 540 / 810 / 1080 / 1620 / 2430 :1

