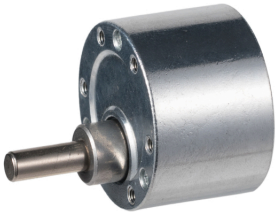
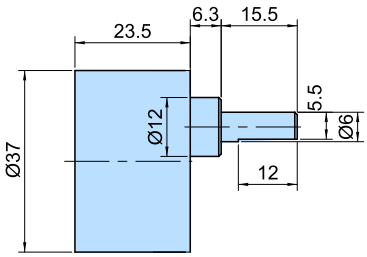
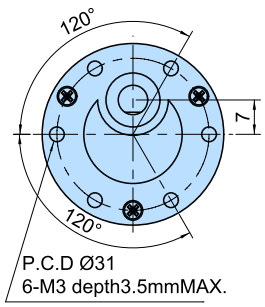
## SG37B

16 ratios · 4 housing lengths






Shown: L = 23.5 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 |
|---|---|---|---|---|---|---|---|
| SG37B-10K | 10 | 2 | 23.5 | 1 | 3 | 81 | 64 |
| SG37B-20K | 20 | 3 | 23.5 | 2 | 6 | 73 | 70 |
| SG37B-30K | 30 | 3 | 23.5 | 2 | 6 | 73 | 70 |
| SG37B-40K | 40 | 4 | 26 | 3 | 9 | 66 | 76 |
| SG37B-60K | 60 | 4 | 26 | 4 | 12 | 66 | 76 |
| SG37B-90K | 90 | 4 | 26 | 4 | 12 | 66 | 76 |
| SG37B-100K | 100 | 4 | 26 | 4 | 12 | 66 | 76 |
| SG37B-120K | 120 | 5 | 28 | 6 | 18 | 59 | 82 |
| SG37B-180K | 180 | 5 | 28 | 6 | 18 | 59 | 82 |
| SG37B-270K | 270 | 5 | 28 | 6 | 18 | 59 | 82 |
| SG37B-300K | 300 | 5 | 28 | 6 | 18 | 59 | 82 |
| SG37B-540K | 540 | 6 | 30 | 6 | 18 | 53 | 88 |
| SG37B-810K | 810 | 6 | 30 | 6 | 18 | 53 | 88 |
| SG37B-1080K | 1080 | 7 | 30 | 6 | 18 | 48 | 96 |
| SG37B-1620K | 1620 | 7 | 30 | 6 | 18 | 48 | 96 |
| SG37B-2430K | 2430 | 7 | 30 | 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 | φ3.17 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 |

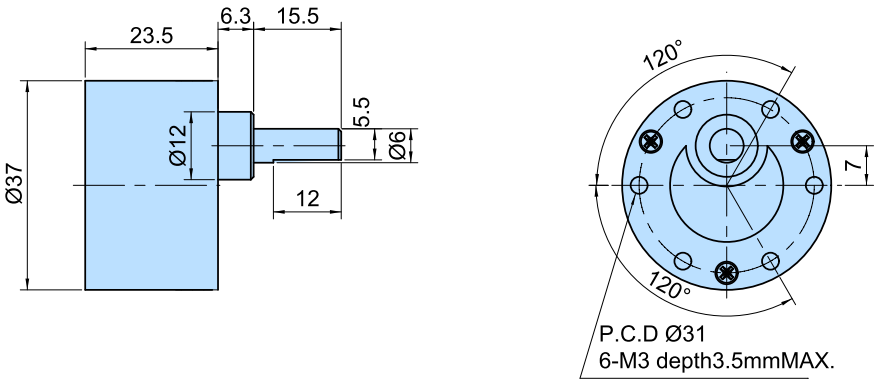
### CONFIGURATION | COMPATIBLE MOTORS

| Motor type | Model | Combination |
|---|---|---|
| Brushed DC motor | DC555 | SG37B + DC555 |
| Brushless DC motor | BL36 / BLX39 | with SG37B |

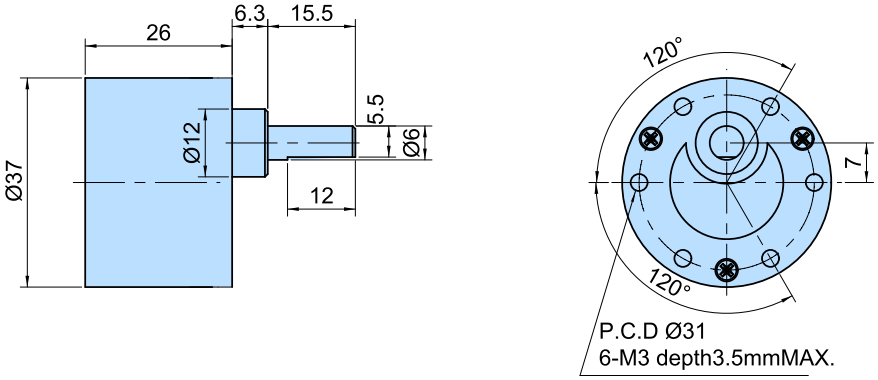
# SG37B | DIMENSIONS & MOUNTING

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

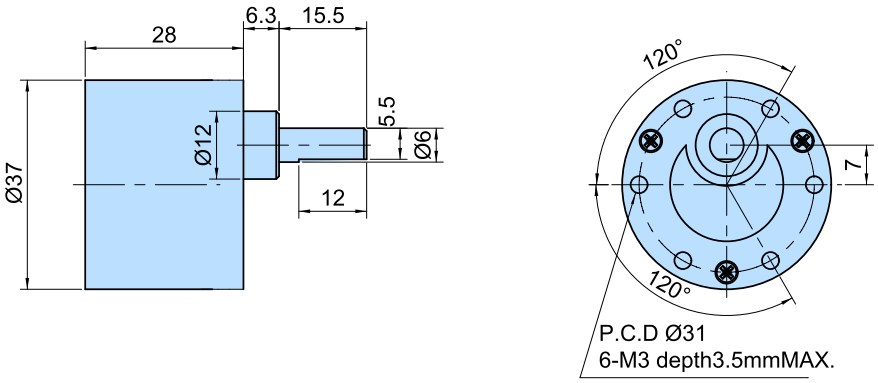
**L = 23.5 mm** Ratio 10 / 20 / 30 :1




**L = 26 mm** Ratio 40 / 60 / 90 / 100 :1




**L = 28 mm** Ratio 120 / 180 / 270 / 300 :1




**L = 30 mm** Ratio 540 / 810 / 1080 / 1620 / 2430 :1

