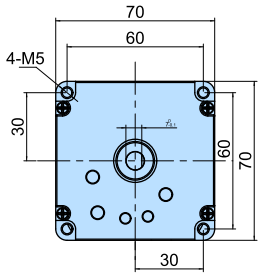
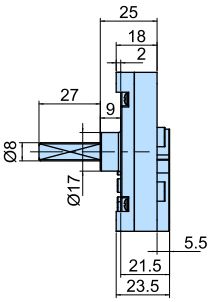
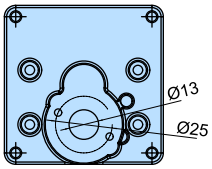
## MG

13 ratios · 3 motor interfaces






Shown: MGL1S000-5. 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 |
|---|---|---|---|---|---|---|---|
| MG-13K | 13 | 3 | 70 | 10 | 30 | 73 | 264 |
| MG-17.5K | 17.5 | 3 | 70 | 10 | 30 | 73 | 264 |
| MG-25K | 25 | 3 | 70 | 10 | 30 | 73 | 264 |
| MG-39K | 39 | 3 | 70 | 10 | 30 | 73 | 264 |
| MG-55K | 55 | 3 | 70 | 10 | 30 | 73 | 264 |
| MG-90K | 90 | 4 | 70 | 30 | 90 | 65 | 270 |
| MG-128K | 128 | 4 | 70 | 30 | 90 | 65 | 270 |
| MG-170K | 170 | 4 | 70 | 30 | 90 | 65 | 270 |
| MG-190K | 190 | 4 | 70 | 30 | 90 | 65 | 270 |
| MG-239K | 239 | 4 | 70 | 30 | 90 | 65 | 270 |
| MG-331K | 331 | 5 | 70 | 30 | 90 | 59 | 278 |
| MG-478K | 478 | 5 | 70 | 30 | 90 | 59 | 278 |
| MG-718K | 718 | 5 | 70 | 30 | 90 | 59 | 278 |

Reference weights are based on one measured gear ratio per stage configuration.
Actual weight may vary with the selected gear ratio.

### MECHANICAL, MATERIALS & OPERATION

| | | | |
|---|---|---|---|
| Housing L × W × H | 70 × 70 × 18 mm | Operating temperature | -30 ~ 65 °C |
| Output shaft diameter | 8 mm | Housing material | Zinc Alloy (Die casting) |
| Pinion hole diameter | φ 3.17 / φ 5 mm | Gear material | Powder Metallurgy (Fe) / Plastics / Steel |
| Axial play | 0.35 mm | Gear design | Helical Gear / Spur Gear |
| Radial play | 0.1 mm | Output shaft bearing | Sleeve Bearing |
| Backlash | 3° | Lubricant | FUMIO |
| Gear module | 0.4 / 0.5 / 0.6 / 0.8 | | |

### CONFIGURATION | COMPATIBLE MOTORS

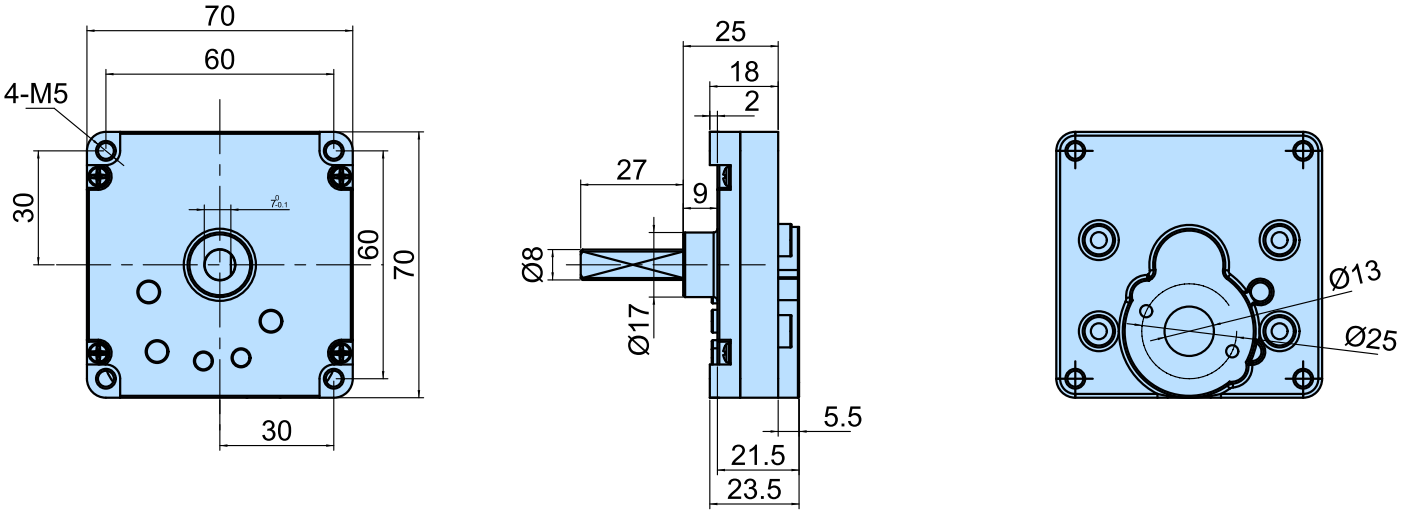
| Mounting pattern | Compatible motor models | Motor type |
|---|---|---|
| -5 | DC555 / BL36 / BLX39 | Brushed / Brushless DC |
| -7 | DC775 / BL42 / BLX48 | Brushed / Brushless DC |
| -YJ61 | AC-YJ61 | AC shaded-pole motor |

Mounting pattern and motor interface must match the selected assembly.

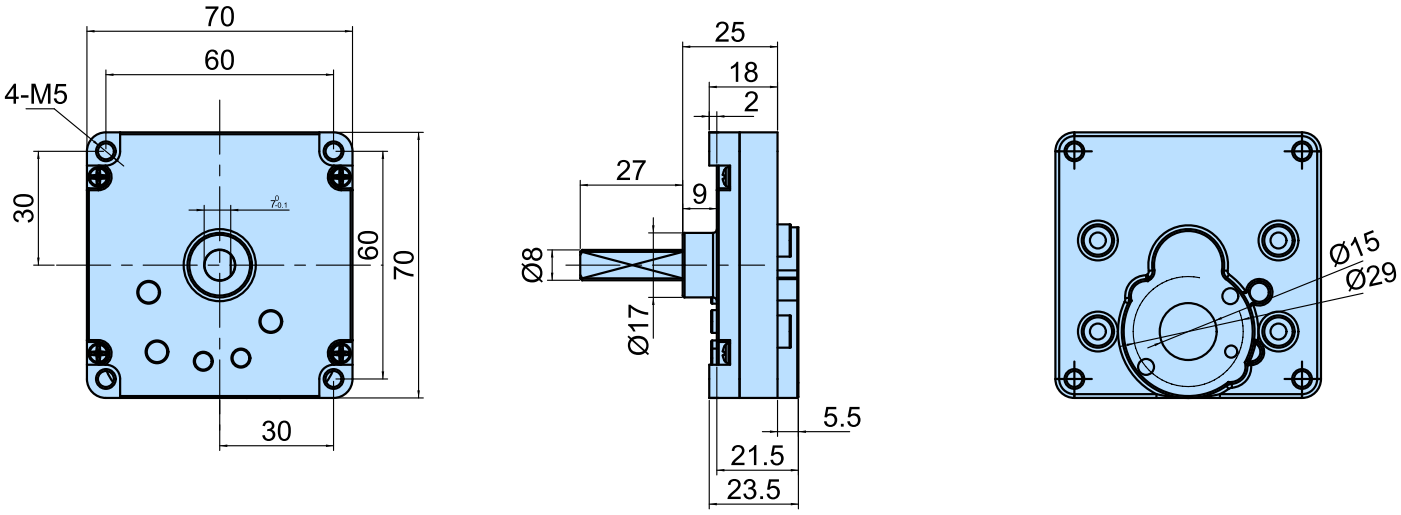
# MG | DIMENSIONS & MOUNTING

Dimensions in mm · Do not scale · Select the mounting variant to suit the motor interface

**MGL1S000-5** Mounting pattern -5 | DC555 / BL36 / BLX39




**MGL1S000-7** Mounting pattern -7 | DC775 / BL42 / BLX48




**MGL1S000-YJ61** Mounting pattern -YJ61 | AC-YJ61

