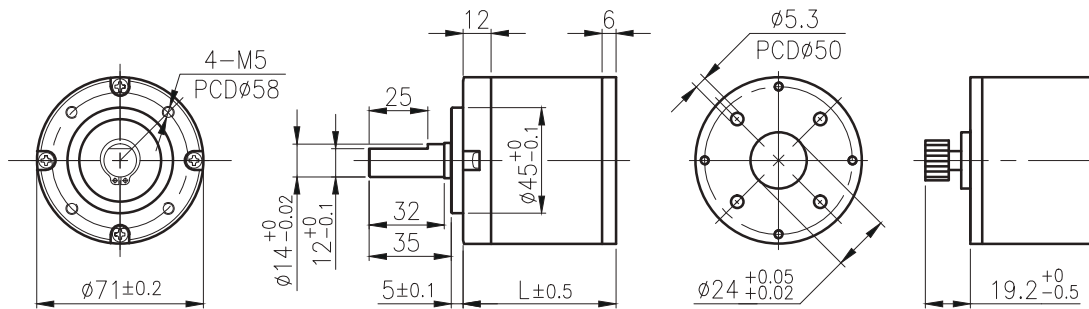


IG-71



外形尺寸 & 馬達齒鉋合方法 / Appearance Size & Pinion Assembly Dimension



unit:mm

產品規格 / Product Specifications

| 外殼材質 Housing material | 輸出軸承型式 Bearing at output | 徑向負荷 Radial load (10mm from flange) | 軸向負荷 Shaft axial load | 主軸最大承受壓入力 Shaft press fit force, max. | 徑向間隙 Radial play of shaft | 軸向間隙 Thrust play of shaft | 背隙 (無負荷時) Backlash, at no-load |
|--------------------------|-----------------------------|--|--------------------------|--|------------------------------|------------------------------|-----------------------------------|
| 金屬 Metal | 滾珠軸承 Ball bearings | ≤ 25 kgf | ≤ 10 kgf | ≤ 50 kgf | ≤ 0.08 mm | ≤ 0.4 mm | $\leq 3^\circ$ |

馬達齒輪型式 / Pinion Specifications

| 模數 Module | 齒數 No. of teeth | 壓力角 Pressure angle | 孔徑 (mm) Hole diameter | 減速比 Reduction ratio |
|--------------|--------------------|-----------------------|--------------------------|---|
| 1.0 | 13 | 20° | $\phi 6 \times 4.5$ | 1/102, 1/126, 1/242, 1/300, 1/363, 1/493, 1/611 |
| 1.0 | 14 | 20° | $\phi 8 \times 6$ | 1/16, 1/20, 1/60, 1/75, 1/91, 1/414, 1/543 |
| 1.0 | 18 | 20° | $\phi 8 \times 6$ | 1/13, 1/50, 1/189 |
| 1.0 | 20 | 20° | $\phi 8 \times 6$ | 1/4 |

標準減速比型式 / Gearboxes Specifications

| 減速比 Reduction ratio | 1/4 | 1/13 | 1/16 | 1/20 | 1/50 | 1/60 | 1/75 | 1/91 | 1/102 | 1/126 | 1/189 | 1/242 | 1/300 | 1/363 | 1/414 | 1/493 | 1/543 | 1/611 |
|---|------|------|------|------|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 定格容許扭力 (kgf-cm Max.) Rated tolerance torque | 15 | 70 | 70 | 70 | 125 | 125 | 125 | 125 | 125 | 125 | 125 | 125 | 125 | 125 | 125 | 125 | 125 | 125 |
| 瞬間容許扭力 (kgf-cm) Max momentary tolerance torque | 45 | 210 | 210 | 210 | 375 | 375 | 375 | 375 | 375 | 375 | 375 | 375 | 375 | 375 | 375 | 375 | 375 | 375 |
| 效率 Efficiency | 80% | 70% | 70% | 70% | 60% | 60% | 60% | 60% | 60% | 60% | 50% | 50% | 50% | 50% | 50% | 50% | 50% | 50% |
| 長度 Length (L) | 49.3 | 65.8 | 65.8 | 65.8 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 |
| 重量 (滾珠軸承) Weight (g) / Ball bearings | 900 | 1230 | 1230 | 1230 | 1560 | 1560 | 1560 | 1560 | 1560 | 1560 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |

- 使用相對溼度：20%~85%RH
Operating relative humidity
- 使用溫度範圍：-10°C~+60°C
Operating temperature range