

行星齒輪 (Planetary gear)

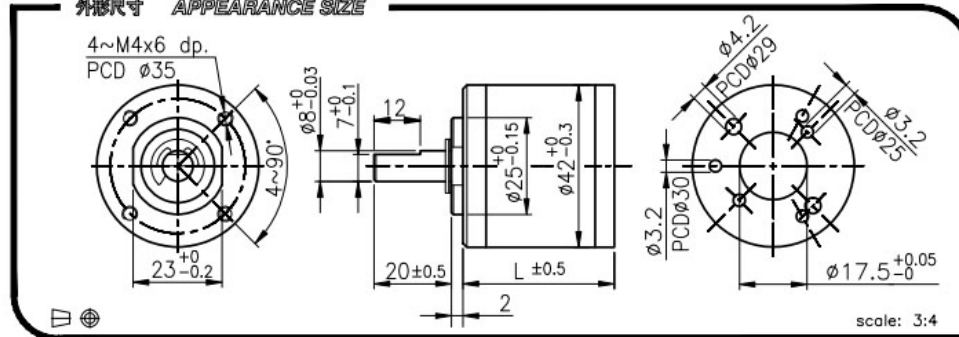
IG-42
GEARHEAD
SERIES

IG-42



| | | | |
|---|-------------------------|----------------------------------|------|
| 外殼材質 Housing material | 金屬 metal | 背隙 (無負荷時) Backlash at no-load | ≤ 3° |
| 輸出軸承型式 Bearing at output | 含油軸承 Sleeve bearings | 滾珠軸承 Ball bearings | |
| 徑向負荷 Radial load (10mm from flange) | ≤ 5 kgf | ≤ 8 kgf | |
| 軸向負荷 Shaft axial load | ≤ 3 kgf | ≤ 3 kgf | |
| 主軸最大承受壓力 Shaft press fit force, max. | ≤ 15 kgf | ≤ 15 kgf | |
| 徑向間隙 Radial play of shaft | ≤ 0.08 mm | ≤ 0.05 mm | |
| 軸向間隙 Thrust play of shaft | ≤ 0.3 mm | ≤ 0.3 mm | |

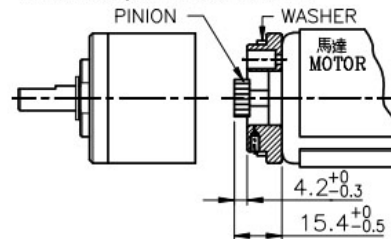
外形尺寸 APPEARANCE SIZE



馬達齒輪型式 / PINION SPECIFICATIONS

| | | | | | |
|------------------------|---------------------------------|---|--------------------------------|----------------------|-----|
| 模數 Module | 0.6 | | | | |
| 齒數 No. of teeth | 12 | 15 | 18 | 24 | 20 |
| 壓力角 Pressure angle | 20° | | | | |
| 孔徑 Hole diameter | Ø3.98 | Ø4.98 | | | |
| 減速比 Reduction ratio | 1/24 1/144 1/504 1/864 | 1/720, 1/1062 1/1470, 1/2500 1/3000, 1/3600 | 1/17 1/61 1/104 1/212 | 1/14 1/49 1/64 | 1/4 |

馬達裝卸方法 / MOTOR INSTALLATION



標準減速比型式 / GEARBOXES SPECIFICATIONS

★ 使用相對濕度 20%~85%RH ★ 使用溫度範圍 -10°C~+60°C
Operating relative humidity Operating temperature range

| 減速比 Reduction ratio | 精確減速比 Exact reduction ratio | 定格容許扭力 Rated tolerance torque | 瞬間容許扭力 Max momentary tolerance torque | 效率 Efficiency | L | 重量(含油軸承) Weight (g) Sleeve bearings | 重量(滾珠軸承) Weight (g) Ball bearings |
|------------------------|--------------------------------|----------------------------------|--|------------------|------|--|--------------------------------------|
| 1/4 | 4 | 3.0 kgf-cm Max. | 9.0 kgf-cm | 80% | 32.5 | 141 | 139 |
| 1/14, 1/17, 1/24 | 14, 17 1/3, 24 | 8.0 kgf-cm Max. | 24.0 kgf-cm | 70% | 39.2 | 193 | 191 |
| 1/49, 1/61, 1/84 | 49, 60 2/3, 84 | 18.0 kgf-cm Max. | 54.0 kgf-cm | 60% | 45.9 | 233 | 231 |
| 1/104, 1/144 | 104, 144 | 20.0 kgf-cm Max. | 60.0 kgf-cm | 60% | 45.9 | 233 | 231 |
| 1/212, 1/294 | 212 1/3, 294 | 25.0 kgf-cm Max. | 75.0 kgf-cm | 50% | 52.6 | 283 | 281 |
| 1/504, 1/624 | 504, 624 | 30.0 kgf-cm Max. | 90.0 kgf-cm | 50% | 52.6 | 283 | 281 |
| 1/720, 1/864 | 720, 864 | 30.0 kgf-cm Max. | 90.0 kgf-cm | 50% | 52.6 | 283 | 281 |
| 1/1062 | 1061 2/3 | 30.0 kgf-cm Max. | 90.0 kgf-cm | 40% | 59.6 | 328 | 326 |
| 1/1470, 1/2500 | 1470, 2500 | 30.0 kgf-cm Max. | 90.0 kgf-cm | 40% | 59.6 | 328 | 326 |
| 1/3000, 1/3600 | 3000, 3600 | 30.0 kgf-cm Max. | 90.0 kgf-cm | 40% | 59.6 | 328 | 326 |