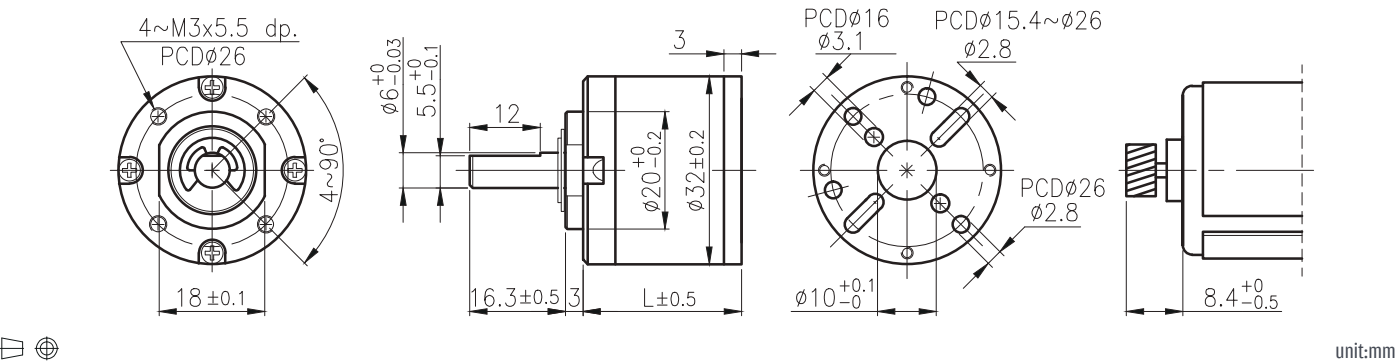


# IG-32H



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



## 產品規格/ Product Specifications

| 外殼材質<br>Housing material | 輸出軸承型式<br>Bearing at output | 徑向負荷<br>Radial load (10mm from flange) | 軸向負荷<br>Shaft axial load | 主軸最大承受壓入力<br>Shaft press fit force, max. | 徑向間隙<br>Radial play of shaft | 軸向間隙<br>Thrust play of shaft | 背隙 (無負荷時)<br>Backlash, at no-load |
|--------------------------|-----------------------------|----------------------------------------|--------------------------|------------------------------------------|------------------------------|------------------------------|-----------------------------------|
| 金屬<br>Metal              | 含油軸承<br>Sleeve bearings     | ≤ 3 kgf                                | ≤ 2.5 kgf                | ≤ 10 kgf                                 | ≤ 0.08 mm                    | ≤ 0.3 mm                     | ≤ 2.5°                            |
| 金屬<br>Metal              | 滾珠軸承<br>Ball bearings       | ≤ 3.5 kgf                              | ≤ 2.5 kgf                | ≤ 10 kgf                                 | ≤ 0.05 mm                    | ≤ 0.3 mm                     | ≤ 2.5°                            |

## 馬達齒輪型式/ Pinion Specifications

| 模數<br>Module | 齒數<br>No. of teeth | 螺旋角<br>Helix angle | 壓力角<br>Pressure angle | 孔徑<br>Hole diameter                                | 減速比<br>Reduction ratio                       |
|--------------|--------------------|--------------------|-----------------------|----------------------------------------------------|----------------------------------------------|
| 0.5          | 11                 | 18° (左, left)      | 20°                   | $\phi$ 2.28, $\phi$ 2.48, $\phi$ 2.98, $\phi$ 3.16 | 1/18, 1/25, 1/94, 1/132, 1/250, 1/349, 1/683 |
| 0.5          | 17                 | 18° (左, left)      | 20°                   | $\phi$ 2.28, $\phi$ 2.48, $\phi$ 2.98, $\phi$ 3.16 | 1/13, 1/48, 1/68, 1/180, 1/491               |
| 0.5          | 8                  | 18° (左, left)      | 20°                   | $\phi$ 2.28                                        | 1/33, 1/887                                  |

## 標準減速比型式/ Gearboxes Specifications

| 減速比<br>Reduction ratio                            | 1/13 | 1/18 | 1/25 | 1/33 | 1/48 | 1/68 | 1/94 | 1/132 | 1/180 | 1/250 | 1/349 | 1/491 | 1/683 | 1/887 |
|---------------------------------------------------|------|------|------|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|
| 定格容許扭力 (kgf-cm Max.)<br>Rated tolerance torque    | 4    | 4    | 6    | 6    | 8    | 8    | 10   | 10    | 12    | 12    | 12    | 12    | 12    | 12    |
| 瞬間容許扭力 (kgf-cm)<br>Max momentary tolerance torque | 12   | 12   | 18   | 18   | 24   | 24   | 30   | 30    | 36    | 36    | 36    | 36    | 36    | 36    |
| 效率<br>Efficiency                                  | 70%  | 70%  | 70%  | 70%  | 60%  | 60%  | 60%  | 60%   | 50%   | 50%   | 50%   | 50%   | 50%   | 50%   |
| 長度<br>Length (L)                                  | 27   | 27   | 27   | 27   | 33.4 | 33.4 | 33.4 | 33.4  | 39.8  | 39.8  | 39.8  | 39.8  | 39.8  | 39.8  |
| 重量 (含油軸承)<br>Weight (g) /Sleeve bearings          | 109  | 109  | 109  | 109  | 134  | 134  | 134  | 134   | 160   | 160   | 160   | 160   | 160   | 160   |
| 重量 (滾珠軸承)<br>Weight (g) /Ball bearings            | 108  | 108  | 108  | 108  | 133  | 133  | 133  | 133   | 159   | 159   | 159   | 159   | 159   | 159   |

- 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