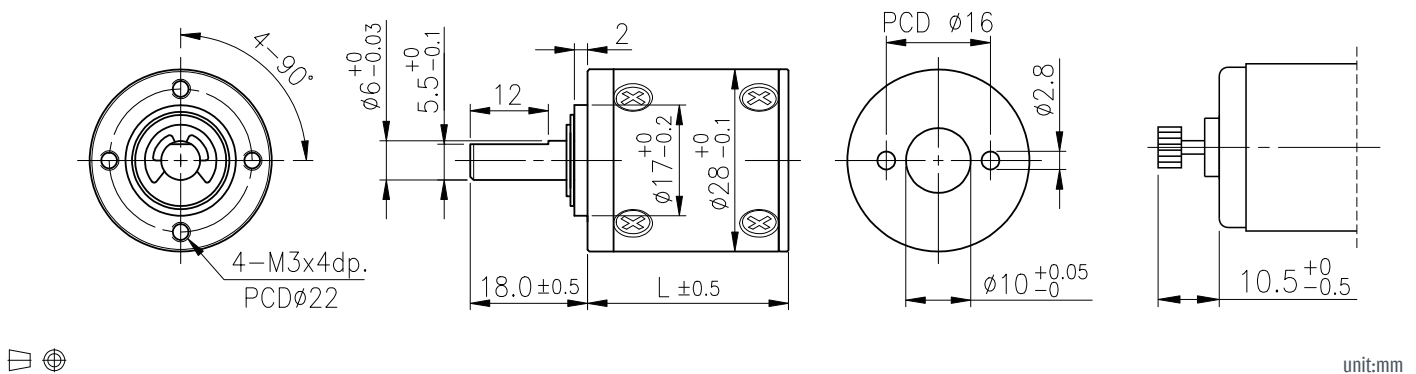


# IG-28



## 外形尺寸 & 馬達裝卸方法/ Appearance Size & Motor Installation



## 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     | $\leq 3$ kgf                           | $\leq 2.5$ kgf           | $\leq 10$ kgf                            | $\leq 0.08$ mm               | $\leq 0.3$ mm                | $\leq 2.5^\circ$                  |
| 金屬<br>Metal              | 滾珠軸承<br>Ball bearings       | $\leq 3.5$ kgf                         | $\leq 2.5$ kgf           | $\leq 10$ kgf                            | $\leq 0.05$ mm               | $\leq 0.3$ mm                | $\leq 2.5^\circ$                  |

## 馬達齒輪型式/ Pinion Specifications

| 模數<br>Module | 齒數<br>No. of teeth | 壓力角<br>Pressure angle | 孔徑 (mm)<br>Hole diameter | 減速比<br>Reduction ratio                                   |
|--------------|--------------------|-----------------------|--------------------------|----------------------------------------------------------|
| 0.5          | 11                 | 20°                   | Ø2.28                    | 1/5, 1/19, 1/27, 1/71, 1/100, 1/139, 1/264, 1/516, 1/721 |
| 0.5          | 17                 | 20°                   | Ø2.28                    | 1/4, 1/14, 1/51, 1/189                                   |
| 0.5          | 8                  | 20°                   | Ø2.28                    | 1/35, 1/939                                              |

## 標準減速比型式/ Gearboxes Specifications

| 減速比<br>Reduction ratio                            | 1/4  | 1/5  | 1/14 | 1/19 | 1/27 | 1/35 | 1/51 | 1/71 | 1/100 | 1/139 | 1/189 | 1/264 | 1/516 | 1/721 | 1/939 |  |  |  |  |  |  |
|---------------------------------------------------|------|------|------|------|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|--|--|--|--|--|--|
| 定格容許扭力 (kgf-cm Max.)<br>Rated tolerance torque    | 2.0  | 2.0  | 3.0  | 3.0  | 4.0  | 4.0  | 6.0  | 6.0  | 8.0   | 8.0   | 10.0  | 10.0  | 10.0  | 10.0  | 10.0  |  |  |  |  |  |  |
| 瞬間容許扭力 (kgf-cm)<br>Max momentary tolerance torque | 6.0  | 6.0  | 9.0  | 9.0  | 12.0 | 12.0 | 18.0 | 18.0 | 24.0  | 24.0  | 30.0  | 30.0  | 30.0  | 30.0  | 30.0  |  |  |  |  |  |  |
| 效率<br>Efficiency                                  | 80%  | 80%  | 70%  | 70%  | 70%  | 70%  | 60%  | 60%  | 60%   | 60%   | 50%   | 50%   | 50%   | 50%   | 50%   |  |  |  |  |  |  |
| 長度<br>Length (L)                                  | 24.5 | 24.5 | 30.9 | 30.9 | 30.9 | 30.9 | 37.3 | 37.3 | 37.3  | 37.3  | 43.7  | 43.7  | 43.7  | 43.7  | 43.7  |  |  |  |  |  |  |
| 重量 (含油軸承)<br>Weight (g) /Sleeve bearings          | 71   | 71   | 81   | 81   | 81   | 81   | 94   | 94   | 94    | 94    | 108   | 108   | 108   | 108   | 108   |  |  |  |  |  |  |
| 重量 (滾珠軸承)<br>Weight (g) /Ball bearings            | 70   | 70   | 80   | 80   | 80   | 80   | 93   | 93   | 93    | 93    | 107   | 107   | 107   | 107   | 107   |  |  |  |  |  |  |

- 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