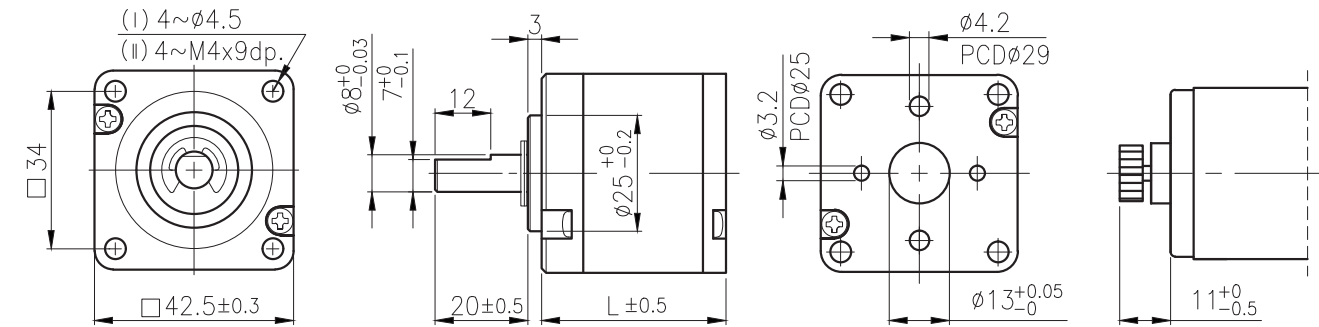


# IG-43



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



unit:mm

## 產品規格/ Product Specifications

| 外殼材質<br>Housing material | 輸出軸承型式<br>Output shaft bearing | 徑向負荷<br>Radial load (10mm from flange) | 軸向負荷<br>Shaft axial load | 主軸承受壓入力<br>Shaft press fit force | 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 |
|--------------------------|--------------------------------|----------------------------------------|--------------------------|----------------------------------|------------------------------|------------------------------|-----------------------------------|
| 粉末金屬<br>Powder Metal     | 滾珠軸承<br>Ball bearings          | $\leq 8 \text{ kgf}$                   | $\leq 3 \text{ kgf}$     | $\leq 15 \text{ kgf}$            | $\leq 0.05 \text{ mm}$       | $\leq 0.3 \text{ mm}$        | $\leq 3^\circ$                    |

## 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                                      |
|--------------|--------------------|-----------------------|--------------------------|-------------------------------------------------------------|
| 0.6          | 12                 | 20°                   | $\phi 3.16, \phi 3.98$   | 1/24, 1/84, 1/104, 1/144, 1/294, 1/504, 1/624, 1/720, 1/864 |
| 0.6          | 18                 | 20°                   | $\phi 3.16, \phi 3.98$   | 1/17, 1/61, 1/212                                           |
| 0.6          | 24                 | 20°                   | $\phi 3.16, \phi 3.98$   | 1/14, 1/49                                                  |
| 0.6          | 20                 | 20°                   | $\phi 3.16, \phi 3.98$   | 1/4                                                         |

## 標準減速比型式/ Gearboxes Specifications

| 減速比<br>Reduction ratio                            | 1/4   | 1/14  | 1/17  | 1/24  | 1/49  | 1/61  | 1/84  | 1/104 | 1/144 | 1/212 | 1/294 | 1/504 | 1/624 | 1/720 | 1/864 |  |  |  |  |  |  |
|---------------------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--|--|--|--|--|--|
| 定格容許扭力 (kgf-cm max.)<br>Rated tolerance torque    | 4     | 8     | 8     | 8     | 15    | 15    | 15    | 20    | 20    | 25    | 25    | 30    | 30    | 30    | 30    |  |  |  |  |  |  |
| 瞬間容許扭力 (kgf-cm)<br>Max momentary tolerance torque | 12    | 24    | 24    | 24    | 45    | 45    | 45    | 60    | 60    | 75    | 75    | 90    | 90    | 90    | 90    |  |  |  |  |  |  |
| 效率<br>Efficiency                                  | 80%   | 70%   | 70%   | 70%   | 60%   | 60%   | 60%   | 60%   | 60%   | 50%   | 50%   | 50%   | 50%   | 50%   | 50%   |  |  |  |  |  |  |
| 長度<br>Length (L)                                  | 26.15 | 32.95 | 32.95 | 32.95 | 39.75 | 39.75 | 39.75 | 39.75 | 39.75 | 46.45 | 46.45 | 46.45 | 46.45 | 46.45 | 46.45 |  |  |  |  |  |  |
| 重量 (滾珠軸承)<br>Weight (g) /Ball bearings            | 190   | 250   | 250   | 250   | 305   | 305   | 305   | 305   | 305   | 360   | 360   | 360   | 360   | 360   | 360   |  |  |  |  |  |  |

- 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