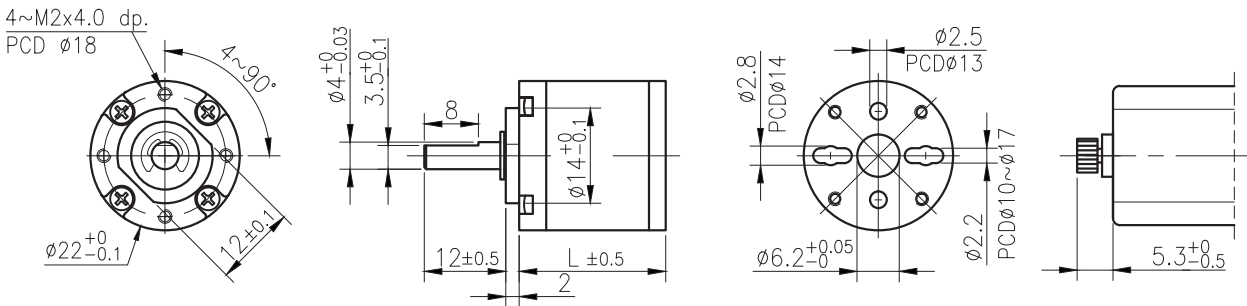


Planetary Gearbox

IG-22



外形尺寸 & 馬達齒鉚合尺寸 / 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 Output shaft bearing	徑向負荷 Radial load (10mm from flange)	軸向負荷 Shaft axial load	主軸承受壓力 Shaft press fit force	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	含油軸承 Sleeve bearing	≤ 0.8 kgf	≤ 0.6 kgf	≤ 5 kgf	≤ 0.08 mm	≤ 0.2 mm	$\leq 3^\circ$
金屬 Metal	滾珠軸承 Ball bearings	≤ 1 kgf	≤ 0.6 kgf	≤ 5 kgf	≤ 0.05 mm	≤ 0.2 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
0.3	13	20°	$\phi 1.98$	1/4, 1/16, 1/19, 1/62, 1/72, 1/84, 1/104, 1/231, 1/270, 1/316, 1/370, 1/455, 1/1014, 1/1249, 1/1621, 1/1996
0.3	16	20°	$\phi 1.98$	1/14, 1/53, 1/198, 1/742

標準減速比型式/ Gearboxes Specifications

減速比 Reduction ratio	1/4	1/14	1/16	1/19	1/53	1/62	1/72	1/84	1/104	1/198	1/231	1/270	1/316	1/370	1/455	1/742	1/1014	1/1249	1/1621	1/1996
定格容許扭力 (kgf-cm max.) Rated tolerance torque	1	1.5	1.5	1.5	2	2	2	2	2	2.5	2.5	2.5	2.5	2.5	2.5	3	3	3	3	3
瞬間容許扭力 (kgf-cm) Max momentary tolerance torque	3	4.5	4.5	4.5	6	6	6	6	6	7.5	7.5	7.5	7.5	7.5	7.5	9	9	9	9	9
效率 Efficiency	80%	70%	70%	70%	60%	60%	60%	60%	60%	50%	50%	50%	50%	50%	50%	40%	40%	40%	40%	40%
長度 Length (L)	14.40	18.05	18.05	18.05	21.70	21.70	21.70	21.70	21.70	25.35	25.35	25.35	25.35	25.35	25.35	29	29	29	29	29
重量 (含油軸承) Weight (g) /Sleeve bearing	27	31	31	31	35	35	35	35	50	60	60	60	60	60	60	65	65	65	65	65
重量 (滾珠軸承) Weight (g) /Ball bearings	26	30	30	30	34	34	34	34	49	59	59	59	59	59	59	64	64	64	64	64

- 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