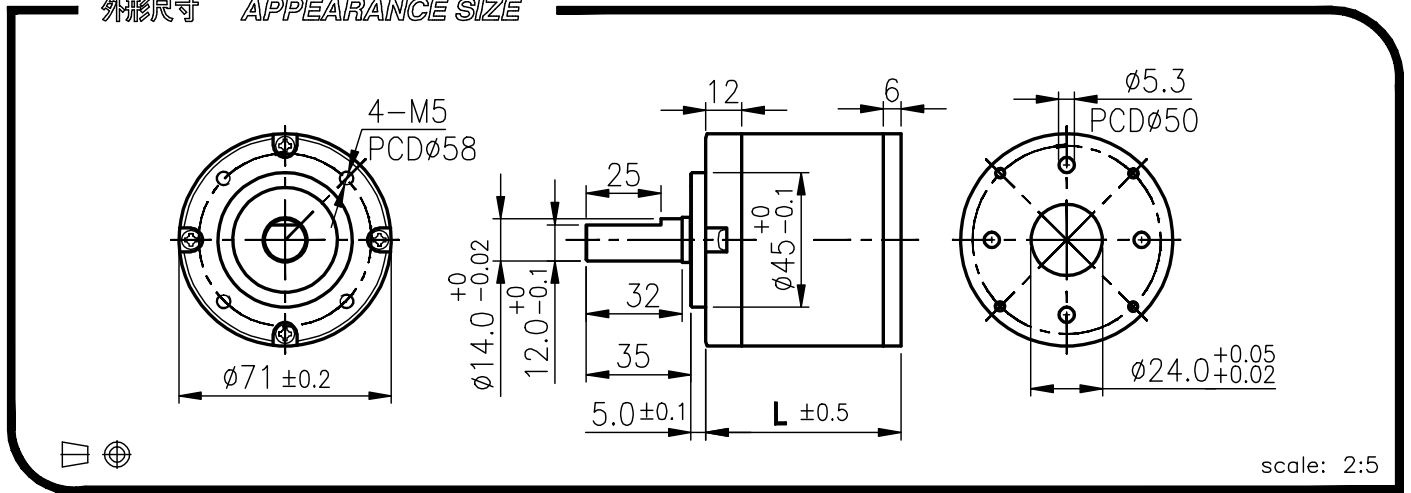


# IG-71



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		滾珠軸承 Ball bearings	
徑向負荷 Radial load (10mm from flange)		≤ 25 kgf	
軸向負荷 Shaft axial load		≤ 10 kgf	
主軸最大承受壓力 Shaft press fit force, max.		≤ 50 kgf	
徑向間隙 Radial play of shaft		≤ 0.08 mm	
軸向間隙 Thrust play of shaft		≤ 0.4 mm	

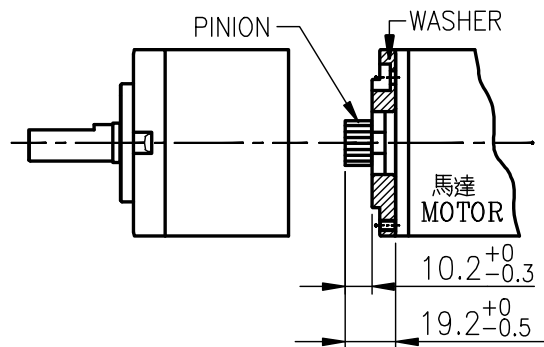
外形尺寸 APPEARANCE SIZE



馬達齒輪型式 / PINION SPECIFICATIONS

模數 Module	1.0			
齒數 No. of teeth	13	14	18	20
壓力角 Pressure angle	20°			
孔徑 Hole diameter	○ $\phi$ 6 x 4.5		○ $\phi$ 8 x 6	
減速比 Reduction ratio	1/102, 1/126 1/242, 1/300 1/363, 1/493 1/611,	1/16, 1/20 1/60, 1/75 1/91, 1/414 1/543,	1/13 1/50 1/189	1/4

馬達裝卸方法 / MOTOR INSTALLATION



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

標準減速比型式 / GEARBOXES SPECIFICATIONS

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 Weight ( g )
1/4	3 1/2	15 kgf-cm Max.	45 kgf-cm	80%	49.3	900
1/13, 1/16	13 2/9, 16	70 kgf-cm Max.	210 kgf-cm	70%	65.8	1230
1/20	19 17/21	70 kgf-cm Max.	210 kgf-cm	70%	65.8	1230
1/50, 1/60, 1/75	49 77/81, 60 4/9, 74 158/189	125 kgf-cm Max.	375 kgf-cm	60%	82.3	1560
1/91, 1/102	90 82/147, 101 10/13	125 kgf-cm Max.	375 kgf-cm	60%	82.3	1560
1/126	126	125 kgf-cm Max.	375 kgf-cm	60%	82.3	1560
1/189, 1/242	188 512/729, 242 8/117	125 kgf-cm Max.	375 kgf-cm	50%	98.8	1900
1/300, 1/363	299 19/27, 362 2/3	125 kgf-cm Max.	375 kgf-cm	50%	98.8	1900
1/414	413 1007/1029	125 kgf-cm Max.	375 kgf-cm	50%	98.8	1900
1/493, 1/543	493 32/169, 543 51/147	125 kgf-cm Max.	375 kgf-cm	50%	98.8	1900
1/611	610 24/39	125 kgf-cm Max.	375 kgf-cm	50%	98.8	1900

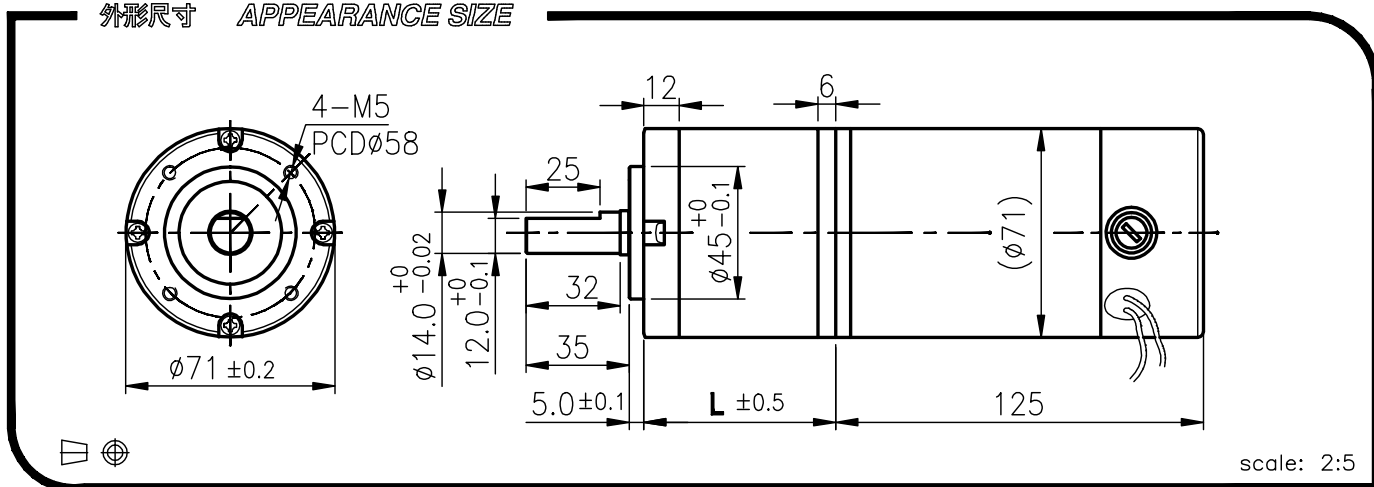
# IG-71GM

## 01&02 TYPE



REDUCTION RATIO	L	REDUCTION RATIO	L
1/4	49.3	1/189~1/611	98.8
1/13~1/20	65.8		
1/50~1/126	82.3		

外形尺寸 APPEARANCE SIZE



scale: 2:5

GEARED MOTOR TORQUE/SPEED

	減速比 Reduction ratio	1/4	1/13	1/16	1/20	1/50	1/60	1/75	1/91	1/102	1/126	1/189	1/242	1/300	1/363	1/414	1/493	1/543	1/611		
		12V	4.2	13.8	16.8	20.4	44.9	54	67	81	91	113	125	125	125	125	125	125	125		
	定額回轉數 (rpm) Rated speed	510	135	112	90.9	36	29.7	24	19.7	17.6	14.2	9.5	7.5	6.2	5.1	4.4	3.7	3.4	3.0		
24V	定額扭力 (Kg-cm) Rated torque	7	23.1	28	34.6	74.9	90.6	112	125	125	125	125	125	125	125	125	125	125	125		
	定額回轉數 (rpm) Rated speed	510	135	112	90.9	36	29.7	24	19.8	17.7	14.3	9.6	7.6	6.3	5.2	4.5	3.8	3.5	3.1		

馬達單體型式 / MOTOR DATA

定額電壓 Rated volt (V)	定額扭力 Rated torque (g-cm)	定額回轉數 Rated speed (rpm)	定額電流 Rated current (mA)	無負荷回轉數 No load speed (rpm)	無負荷電流 No load current (mA)	定額出力 Rated output (W)	重量 Weight (g)
12	1500	1800	≤ 3000	2000	≤ 800	27.7	1650
24	2500	1800	≤ 2500	2000	≤ 400	46.2	1650

馬達單體特性圖 / MOTOR CHARACTERISTICS

