

RGI系列-旋轉電爪

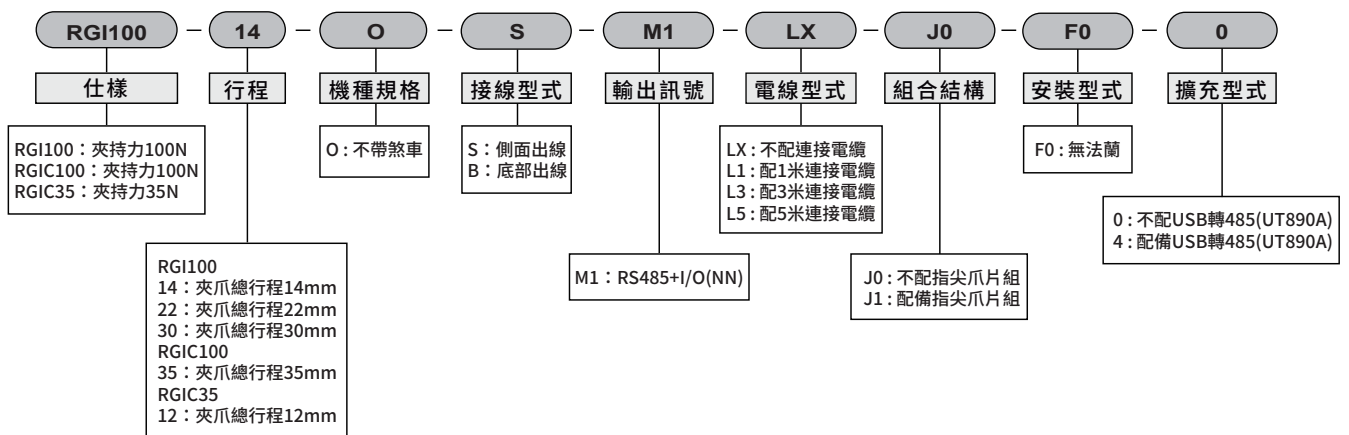
規格表與訂購稱呼說明



特點

1. 獨創結構設計，可在一台電動夾爪上同時實現抓取與無限旋轉動作
2. 緊湊型雙伺服系統
3. 單側夾持力最高達100N，最大扭矩1.5N·m

訂購稱呼代號



規格表

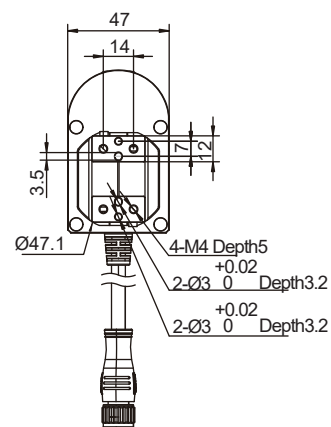
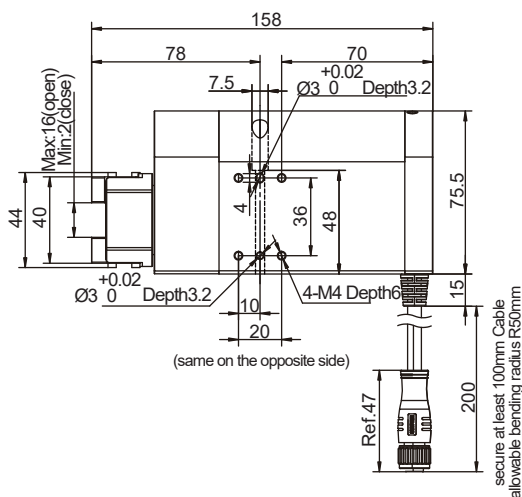
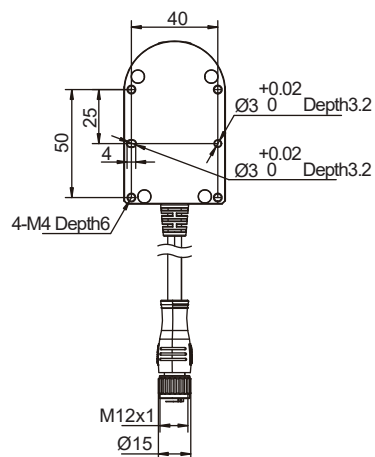
型號	RGI-100-14	RGI-100-22	RGI-100-30	RGIC-35-12	RGIC-100-35
總行程	14mm	22mm	30mm	12mm	35mm
夾持力(單側)	30~100N	30~100N	30~100N	13~35N	40~100N
額定扭矩	0.5N·m	0.5N·m	0.5N·m	0.2N·m	0.35N·m
最大扭矩	1.5N·m	1.5N·m	1.5N·m	0.5N·m	1.5N·m
旋轉範圍	無限旋轉	無限旋轉	無限旋轉	無限旋轉	無限旋轉
最大負載	1.5kg	1.5kg	1.5kg	0.5kg	1kg
最大旋轉速度	2160°/s	2160°/s	2160°/s	2160°/s	1400°/s
旋轉重覆精度	±0.05°	±0.05°	±0.05°	±0.05°	-
位置重覆精度	±0.02mm	±0.02mm	±0.02mm	±0.02mm	±0.02mm
打開/閉合時間	0.6s/0.6s	0.65s/0.65s	0.7s/0.7s	0.6s/0.6s	0.9s/0.9s
重量	1.28kg	1.4kg	1.5kg	0.64kg	0.65kg
工作電壓	DC24V±10%	DC24V±10%	DC24V±10%	DC24V±10%	DC24V±10%
電流	1A(額定)/4A(最高)	1A(額定)/4A(最高)	1A(額定)/4A(最高)	1.7A(額定)/2.5A(最高)	2A(額定)/5A(最高)
額定功率	24W	24W	24W	40.8W	48W
防護等級	IP40	IP40	IP40	IP40	IP40
使用環境	0~40°C、85%RH以下	0~40°C、85%RH以下	0~40°C、85%RH以下	0~40°C、85%RH以下	0~40°C、85%RH以下
通訊協定	Modbus RTU (RS 485)+I/O				

尺寸圖

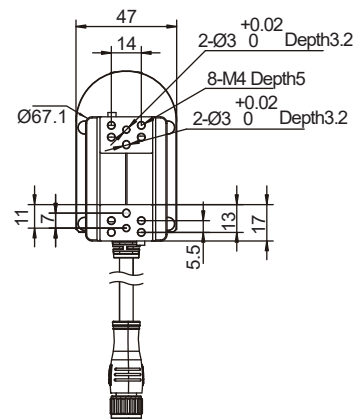
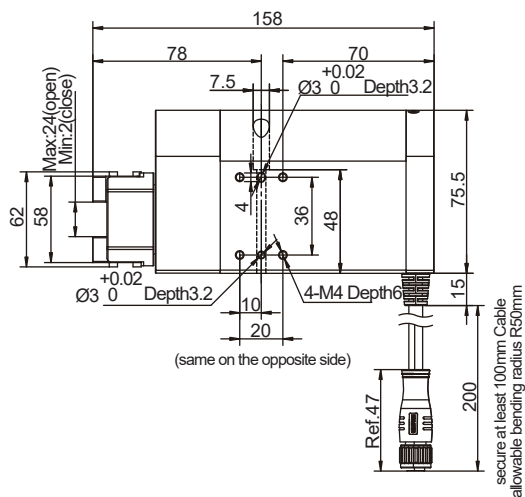
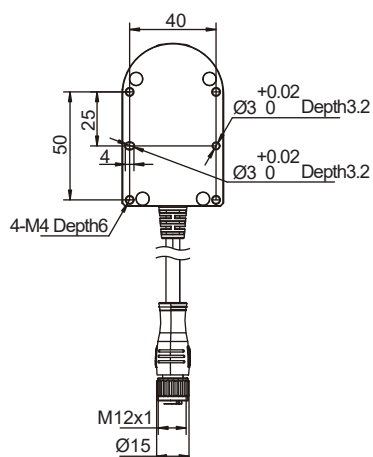
Technical drawing of a mechanical part, likely a bracket or plate, showing dimensions and tolerances.

Dimensions and Tolerances:

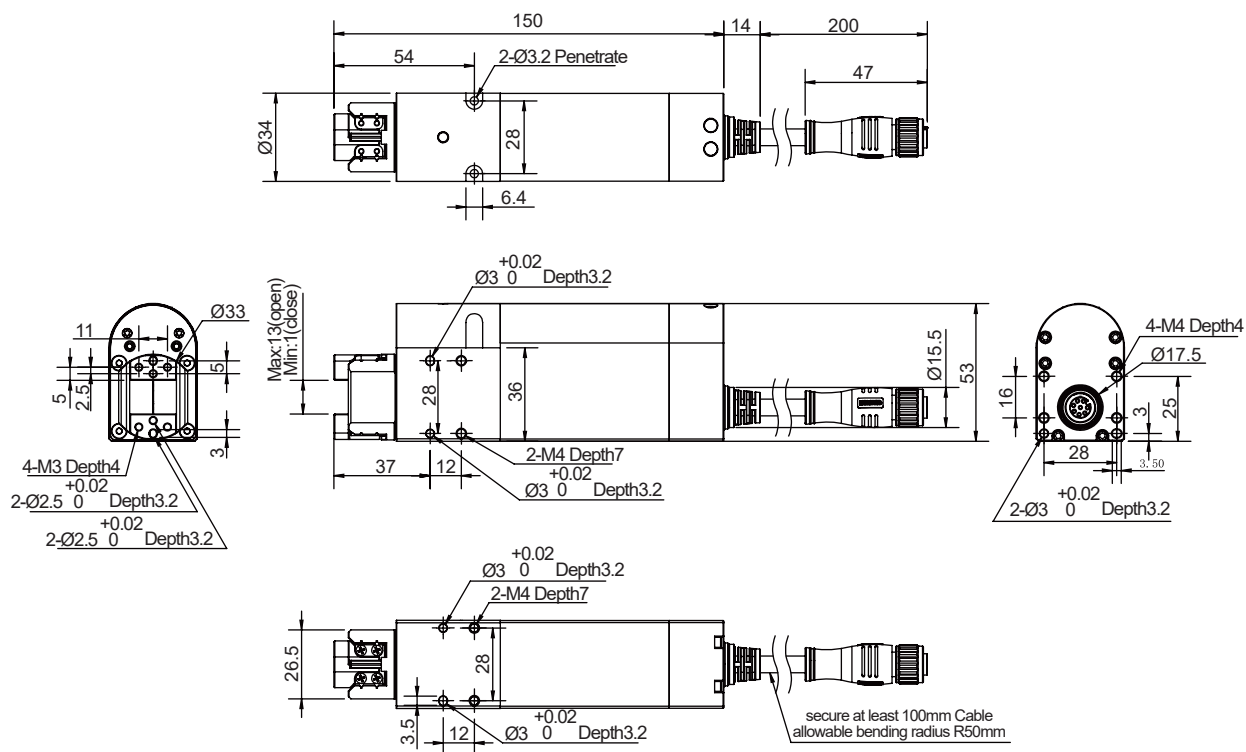
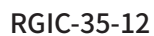
- Overall Width: 88
- Overall Height: 38
- Central Cutout Width: 29
- Central Cutout Height: 34
- Left Side Hole Diameter: 6.5
- Right Side Hole Diameter: 34
- Top Right Hole Diameter: $\varnothing 3 \begin{smallmatrix} +0.02 \\ 0 \end{smallmatrix}$ Depth 3.2
- Bottom Right Hole Diameter: $\varnothing 3 \begin{smallmatrix} +0.02 \\ 0 \end{smallmatrix}$ Depth 3.2
- Central Cutout Depth: 3.2
- Central Cutout Tolerance: ± 0.02
- Central Cutout Material: 2- $\varnothing 4.2$ Through 2-M5 Depth 12



Technical drawing of a mechanical part, likely a bracket or base plate, showing dimensions and tolerances. The part has a total width of 88 and a total height of 38. Key features include a central rectangular cutout with a width of 29 and a height of 24.6, and a circular hole with a diameter of 10. The drawing also shows various other dimensions and tolerances, such as 6.5, 10, 34, 4, 0.02, and Depth 3.2.



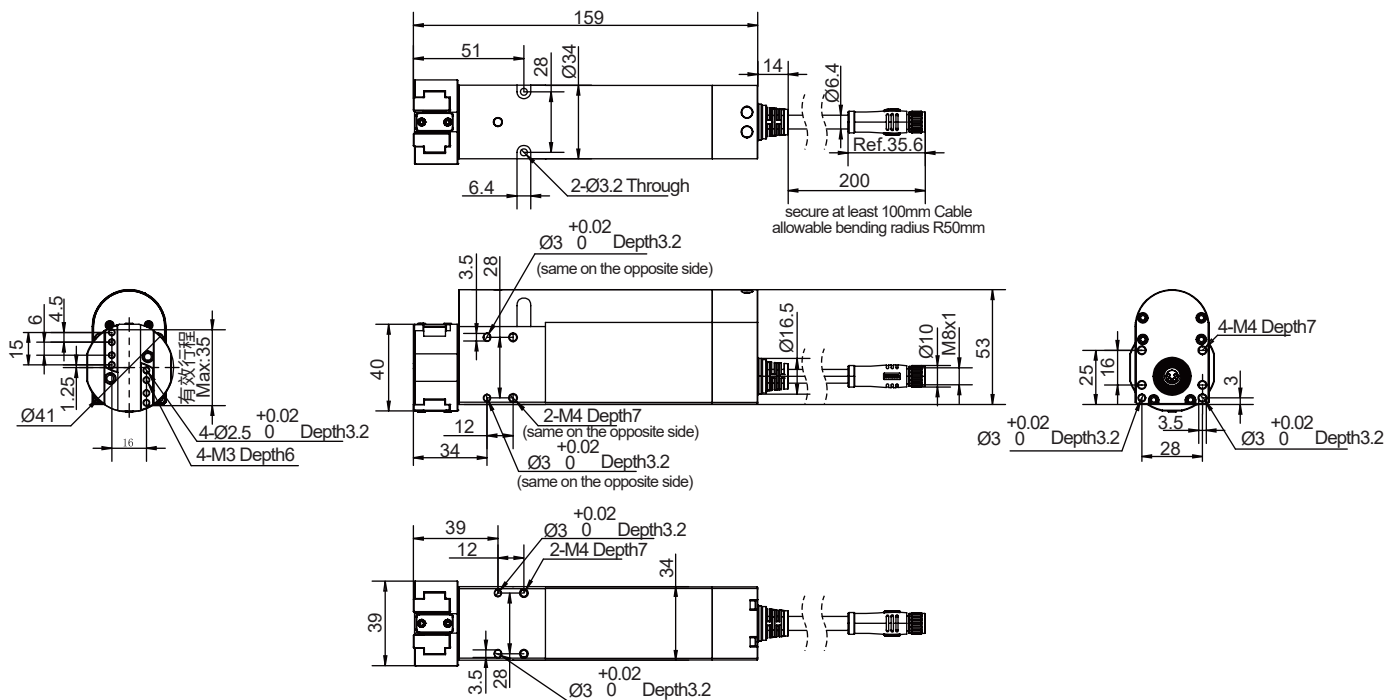
尺寸圖



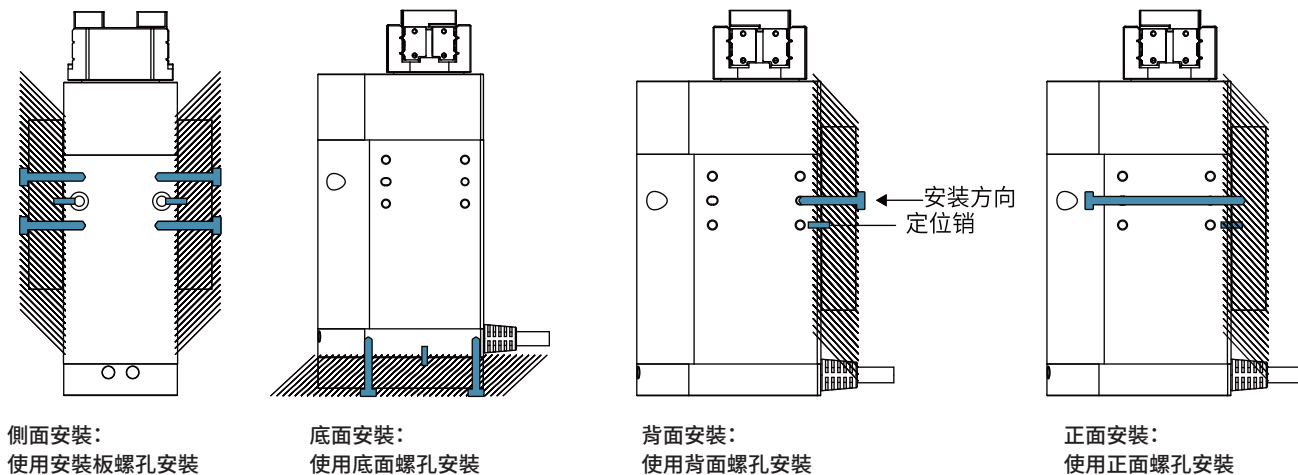
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尺寸圖與安裝方式

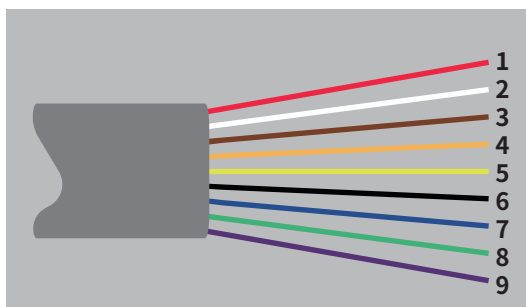
RGIC-100-35



安裝方式



線圈定義



序號	藍色線標對應出線顏色	定義	說明
1	紅	24V	電源直流24V正極
2	白	INPUT1	IO模式數字輸入1
3	棕	INPUT2	IO模式數字輸入2
4	橙	OUTPUT1	IO模式數字輸出1
5	黃	OUTPUT2	IO模式數字輸出2
6	黑	GND	電源直流GND負極
7	藍	485_B	通訊線正,T/R-
8	綠	485_A	通訊線正,T/R+
9	編織線	PGND	外殼(PE)接口