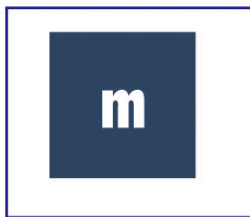
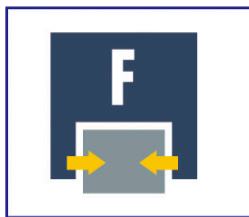




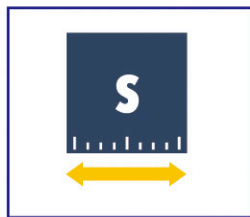
尺寸
Size
20 ~ 32



重量
Weight
1.2 ~ 3 KG



夾持力
Gripping force
100 ~ 305 N



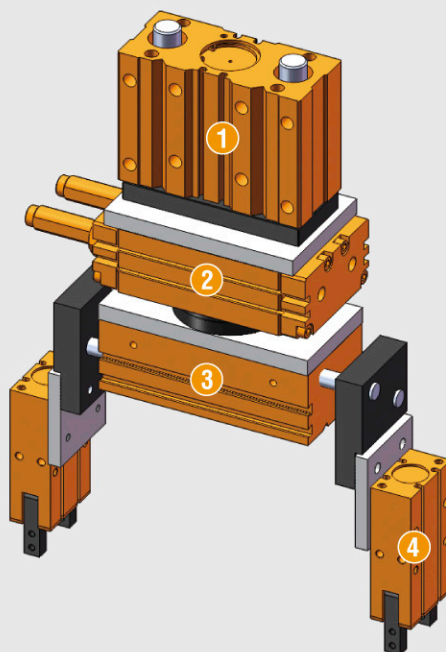
單爪行程
Stroke per jaw
40 ~ 60 MM



適用工件重量
Recom. workpiece weight
0.6 ~ 1.6 KG



- 1 MGB 雙導桿氣缸模組
MGB dual guide rod cylinder module.
- 2 SRB 通用型旋轉氣缸模組
SRB universal swivel unit
- 3 LGX 長行程小型二指平動機械夾爪
LGX small long stroke 2-jaw parallel gripper
- 4 LGY 小原件180度張角式機械夾爪
LGY small 180° angular gripper



應用領域

- 適用大行程夾持，提供了自動化更多的應用方式。
- 適用於自動化組裝線及長行程夾持。
- 適用於機台製作或工廠生產、組裝及自動化產業的乾淨環境。

你的優勢

- 雙活塞設計：大面積活塞機構，能產生更多的力量。
- 適用於自動化組裝線及長行程夾持。
- 空氣供給，確保在各式自動化系統中皆可彈性供給壓縮空氣。
- 夾持力安全裝置：搭配機械式外部SDV逆止閥。

LGX 系列簡介

- 工作原理：雙活塞設計
- 外殼材質：鋁合金，超硬陽極處理
- 基爪材質：鋼
- 驅動方式：氣動：濾清壓縮空氣 (10mm) - 乾式、潤滑或非潤滑壓力介質：需求壓縮空氣品質等級 DIN ISO 8573-1
- 保固：12個月
- 夾持力安全裝置：搭配機械式外部SDV逆止閥。

LGX Series Introduction

- How it works: Dual piston design.
- Gripper material: Aluminum alloy, hard anodized.
- Jaw material: Steel
- Drive: Pneumatic-filtration of compressed air _ (10mm) _ - dry, lubricated or non-lubricated pressure medium: demand for compressed air quality level DIN ISO 8573-1
- Warranty: 12 months.
- Gripping force safety device: with mechanical external SDV pressure safety valve.

Applications

- For large stroke clamping, provides more applications for automation.
- Suitable for automated assembly lines and long stroke gripping.
- Best for clean environment of machine production or factory production, assemble and automation industry.

Your advantage

- Linear double piston design: large area of piston mechanism, can produce more power.
- Suitable for small automated assembly lines and long stroke gripping.
- Air supply, ensure all kinds of automation systems can have elasticity supply of compressed air.
- Gripping force safety device: with mechanical external SDV pressure safety valve.

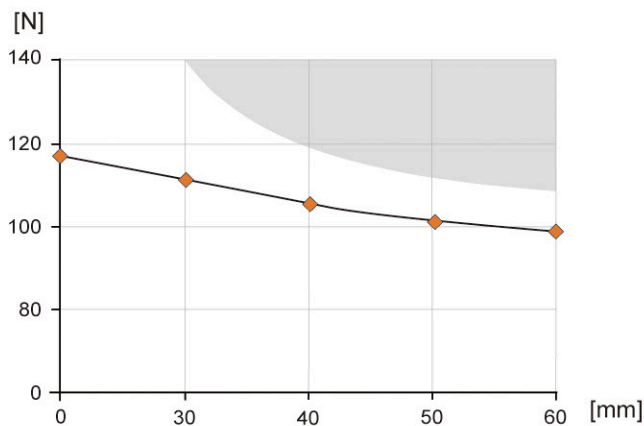


▶ LGX20-80



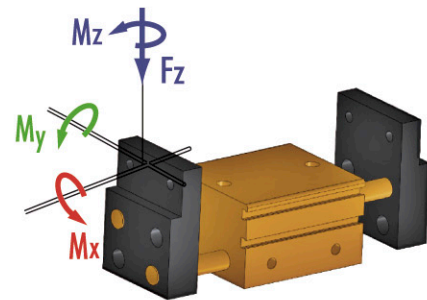
夾持力 Gripping force

夾持力與 夾爪 (finger) 長度對照表 Gripping force and jaw (finger) length chart



顏色區域：會增加夾爪磨損及撕裂機會

Colored area: increased wear and tear to be expected



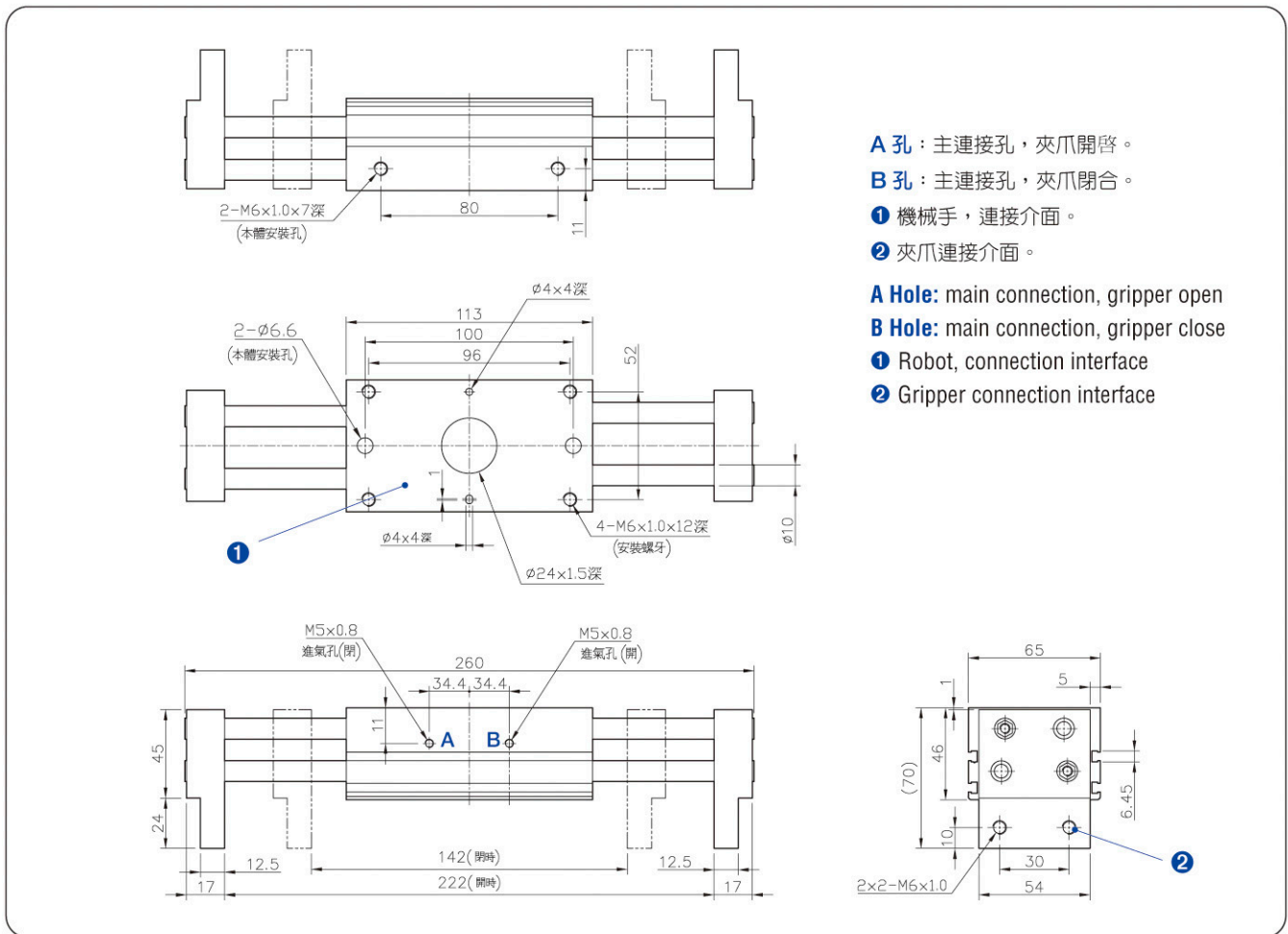
- Mx max. 1.52 Nm
- My max. 2.10 Nm
- Mz max. 4.10 Nm
- Fz max. 170.0 N

技術資料 Technical data

型號 Model	LGX20-80	
單爪行程 Stroke per jaw	mm	40
關閉力 Closing force	N	100
開啓力 Opening force	N	90
重量 Weight	Kg	1.2
建議工件重量 Recom. work piece weight	Kg	0.6
雙行程氣耗量 Double stroke air consumption	cm ³	15
最小/最大壓力 Min. / Max. pressure	bar	3 - 8
額定工作壓力 Nominal pressure	bar	6
關閉/開啓時間 Closing / Opening time	s	0.7 / 0.7
夾爪長度可允許 Max. fingrt length	mm	60
IP 等級 IP rating	IP	40
最小/最大室溫 Min. / Max. temperature	°C	5° ~ 60°C
重複精度 Repeatability	mm	0.1

Small Long Stroke 2-Jaw Parallel Gripper

外觀尺寸圖 Dimensions



A 孔: 主連接孔, 夾爪開啓。

B 孔: 主連接孔, 夾爪閉合。

① 機械手, 連接介面。

② 夾爪連接介面。

A Hole: main connection, gripper open

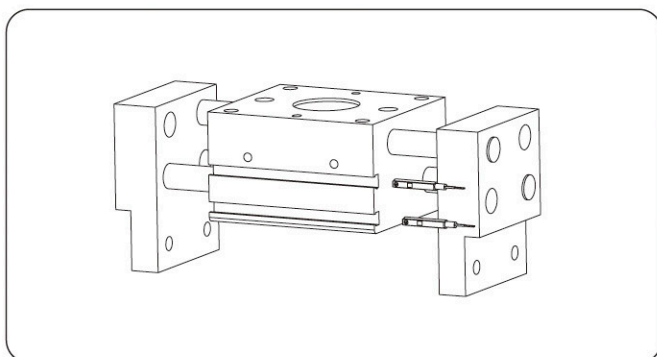
B Hole: main connection, gripper close

① Robot, connection interface

② Gripper connection interface

LGX20-80

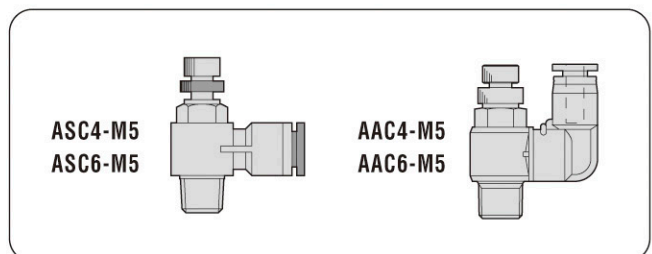
(接觸式)C型槽感應器系統 (Contact) C-slot sensor system



- 接觸式C型槽終端位置監控: 夾爪磁簧感應器, 安裝於夾爪C型槽內。
- 每個機械夾爪需要至少2個感應器(接觸式)。
- Contact C-slot terminal position monitoring: Gripper magnetic field sensor, installed in the C-slot.
- Each mechanical gripper needs at least two sensors (contact).

型號 Model	型式 Description	建議使用數量 Recom. number of use
MMS-30	直行設計 (兩線無接點) Straight design (two-line non-contact)	2

夾爪調速閥 Speed control valve



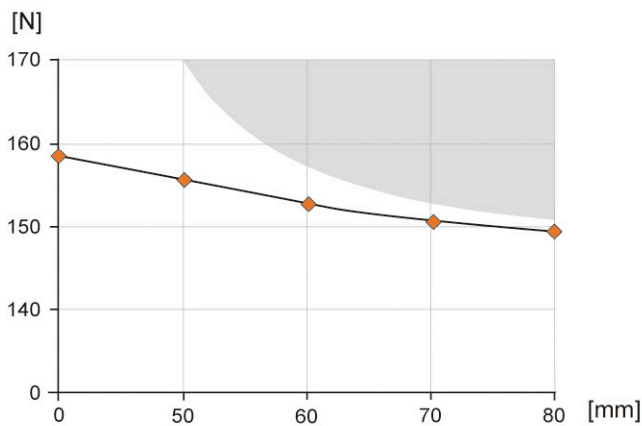
- 夾爪專用調速閥: 調整夾爪開張速度專用調速閥門。
- 每個機械夾爪需要至少2個調速閥。
- Speed control valve special for grippers: Special for adjusting the opening speed of gripper.
- Each mechanical gripper needs at least two speed control valves.

型號 Model	型式 Description	建議使用數量 Recom. number of use
ASC4-M5	90度設計 $\phi 4$ 管徑 90 degrees design $\phi 4$ diameter	2
AAC6-M5	直通設計 $\phi 6$ 管徑 Through design $\phi 6$ diameter	2
ASC4-M5	90度設計 $\phi 4$ 管徑 90 degrees design $\phi 4$ diameter	2
AAC6-M5	直通設計 $\phi 6$ 管徑 Through design $\phi 6$ diameter	2

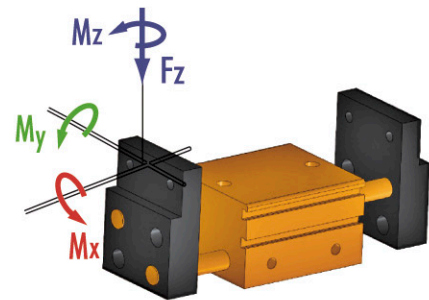
▶ LGX25-100



夾持力 Gripping force 夾持力與 夾爪 (finger) 長度對照表 Gripping force and jaw (finger) length chart



顏色區域：會增加夾爪磨損及撕裂機會
Colored area: increased wear and tear to be expected



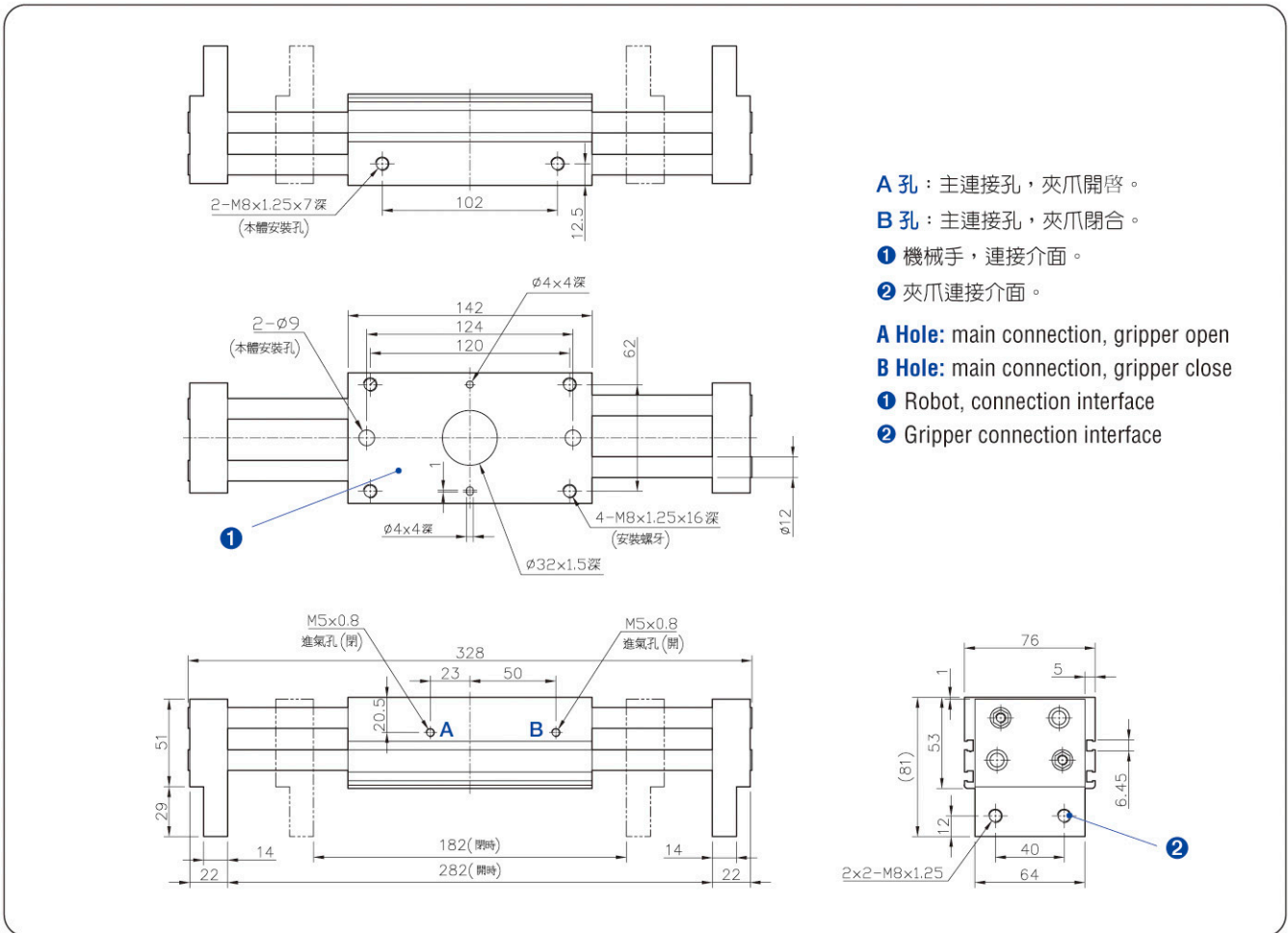
- Mx max. 1.75 Nm
- My max. 2.65 Nm
- Mz max. 5.20 Nm
- Fz max. 220.0 N

技術資料 Technical data

型號 Model	LGX25-100	
單爪行程 Stroke per jaw	mm	50
關閉力 Closing force	N	155
開啓力 Opening force	N	140
重量 Weight	Kg	2.1
建議工件重量 Recom. work piece weight	Kg	0.8
雙行程氣耗量 Double stroke air consumption	cm ³	28
最小/最大壓力 Min. / Max. pressure	bar	3 - 8
額定工作壓力 Nominal pressure	bar	6
關閉/開啓時間 Closing / Opening time	s	0.8 / 0.8
夾爪長度可允許 Max. fingrt length	mm	80
IP 等級 IP rating	IP	40
最小/最大室溫 Min. / Max. temperature	°C	5° ~ 60°C
重複精度 Repeatability	mm	0.1

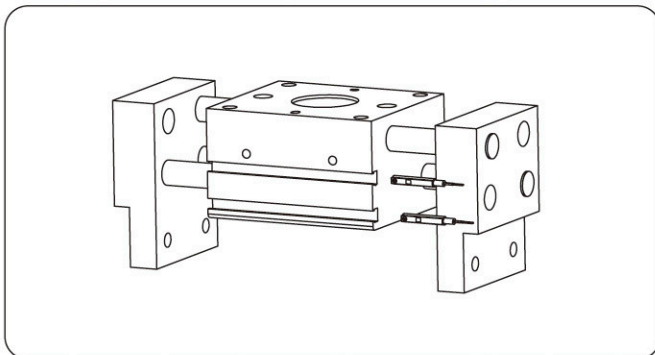
Small Long Stroke 2-Jaw Parallel Gripper

外觀尺寸圖 Dimensions



LGX20-80

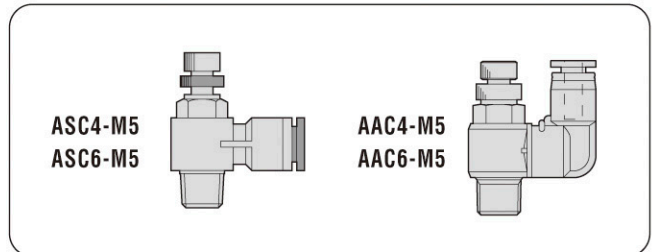
(接觸式)C型槽感應器系統 (Contact) C-slot sensor system



- 接觸式C型槽終端位置監控:夾爪磁簧感應器，安裝於夾爪C型槽內。
- 每個機械夾爪需要至少2個感應器(接觸式)。
- Contact C-slot terminal position monitoring: Gripper magnetic field sensor, installed in the C-slot.
- Each mechanical gripper needs at least two sensors (contact).

型號 Model	型式 Description	建議使用數量 Recom. number of use
MMS-30	直行設計(兩線無接點) Straight design (two-line non-contact)	2

夾爪調速閥 Speed control valve



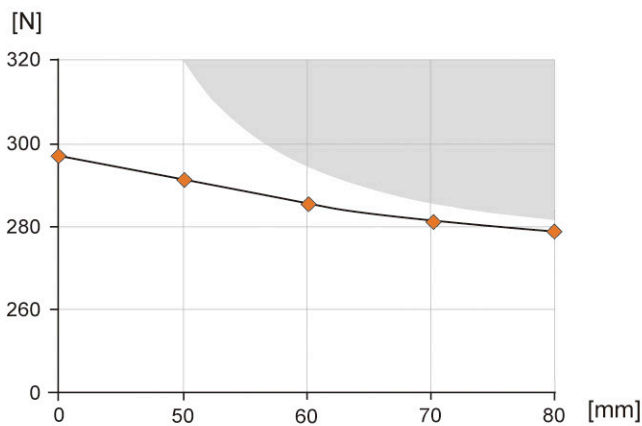
- 夾爪專用調速閥: 調整夾爪開張速度專用調速閥門。
- 每個機械夾爪需要至少2個調速閥。
- Speed control valve special for grippers: Special for adjusting the opening speed of gripper.
- Each mechanical gripper needs at least two speed control valves.

型號 Model	型式 Description	建議使用數量 Recom. number of use
ASC4-M5	90度設計 Ø4管徑 90 degrees design ø4 diameter	2
AAC6-M5	直通設計 Ø6管徑 Through design ø6 diameter	2
ASC4-M5	90度設計 Ø4管徑 90 degrees design ø4 diameter	2
AAC6-M5	直通設計 Ø6管徑 Through design ø6 diameter	2

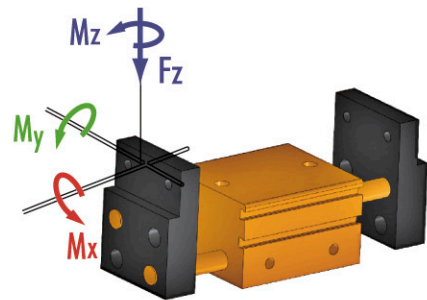
▶ LGX32-100



夾持力 Gripping force 夾持力與 夾爪 (finger) 長度對照表 Gripping force and jaw (finger) length chart



顏色區域：會增加夾爪磨損及撕裂機會
Colored area: increased wear and tear to be expected



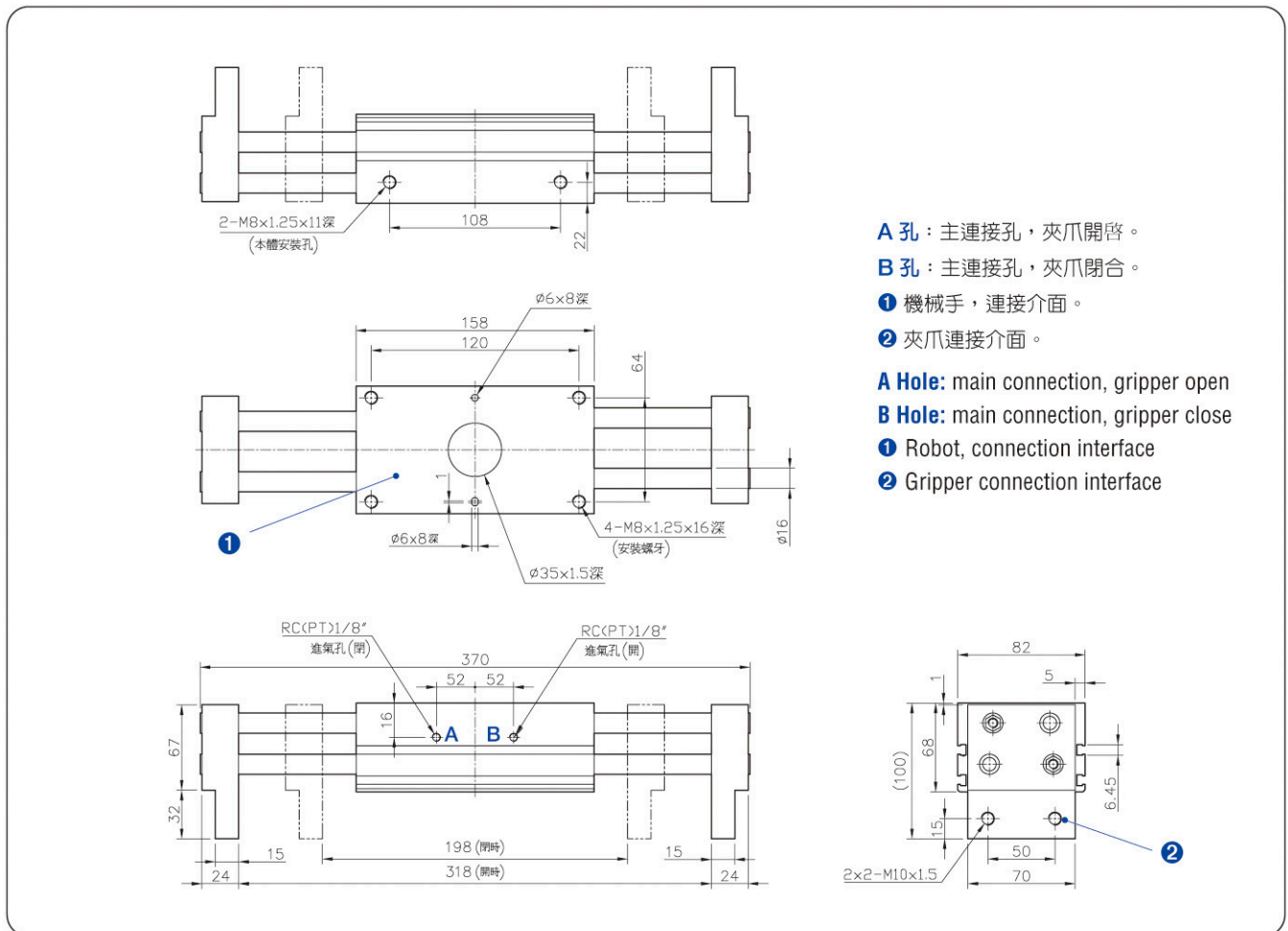
- Mx max. 2.75 Nm
- My max. 3.65 Nm
- Mz max. 6.10 Nm
- Fz max. 420.0 N

技術資料 Technical data

型號 Model	LGX32-100	
單爪行程 Stroke per jaw	mm	60
關閉力 Closing force	N	305
開啓力 Opening force	N	280
重量 Weight	Kg	3
建議工件重量 Recom. work piece weight	Kg	1.6
雙行程氣耗量 Double stroke air consumption	cm ³	35
最小/最大壓力 Min. / Max. pressure	bar	3 - 8
額定工作壓力 Nominal pressure	bar	6
關閉/開啓時間 Closing / Opening time	s	0.9 / 0.9
夾爪長度可允許 Max. fingrt length	mm	85
IP 等級 IP rating	IP	40
最小/最大室溫 Min. / Max. temperature	°C	5° ~ 60°C
重複精度 Repeatability	mm	0.1

Small Long Stroke 2-Jaw Parallel Gripper

外觀尺寸圖 Dimensions



A 孔: 主連接孔, 夾爪開啓。

B 孔: 主連接孔, 夾爪閉合。

① 機械手, 連接介面。

② 夾爪連接介面。

A Hole: main connection, gripper open

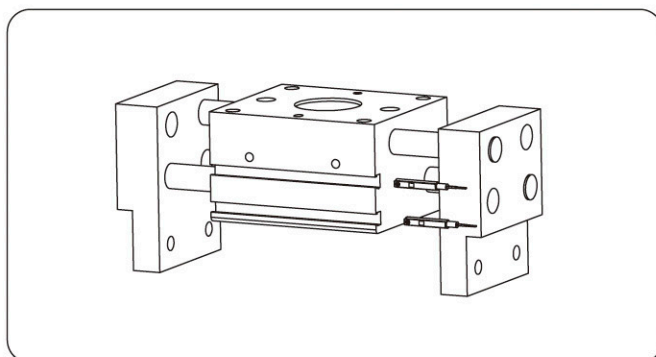
B Hole: main connection, gripper close

① Robot, connection interface

② Gripper connection interface

LGX20-80

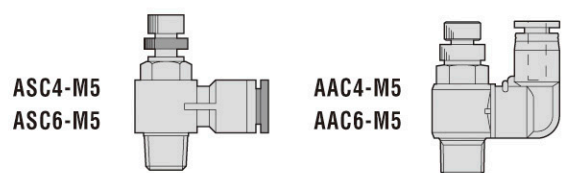
(接觸式)C型槽感應器系統 (Contact) C-slot sensor system



- 接觸式C型槽終端位置監控: 夾爪磁簧感應器, 安裝於夾爪C型槽內。
- 每個機械夾爪需要至少要2個感應器(接觸式)。
- Contact C-slot terminal position monitoring: Gripper magnetic field sensor, installed in the C-slot.
- Each mechanical gripper needs at least two sensors (contact).

型號 Model	型式 Description	建議使用數量 Recom. number of use
MMS-30	直行設計 (兩線無接點) Straight design (two-line non-contact)	2

夾爪調速閥 Speed control valve



- 夾爪專用調速閥: 調整夾爪開張速度專用調速閥門。
- 每個機械夾爪需要至少要2個調速閥。
- Speed control valve special for grippers: Special for adjusting the opening speed of gripper.
- Each mechanical gripper needs at least two speed control valves.

型號 Model	型式 Description	建議使用數量 Recom. number of use
ASC4-M5	90度設計 $\phi 4$ 管徑 90 degrees design $\phi 4$ diameter	2
AAC6-M5	直通設計 $\phi 6$ 管徑 Through design $\phi 6$ diameter	2
ASC4-M5	90度設計 $\phi 4$ 管徑 90 degrees design $\phi 4$ diameter	2
AAC6-M5	直通設計 $\phi 6$ 管徑 Through design $\phi 6$ diameter	2