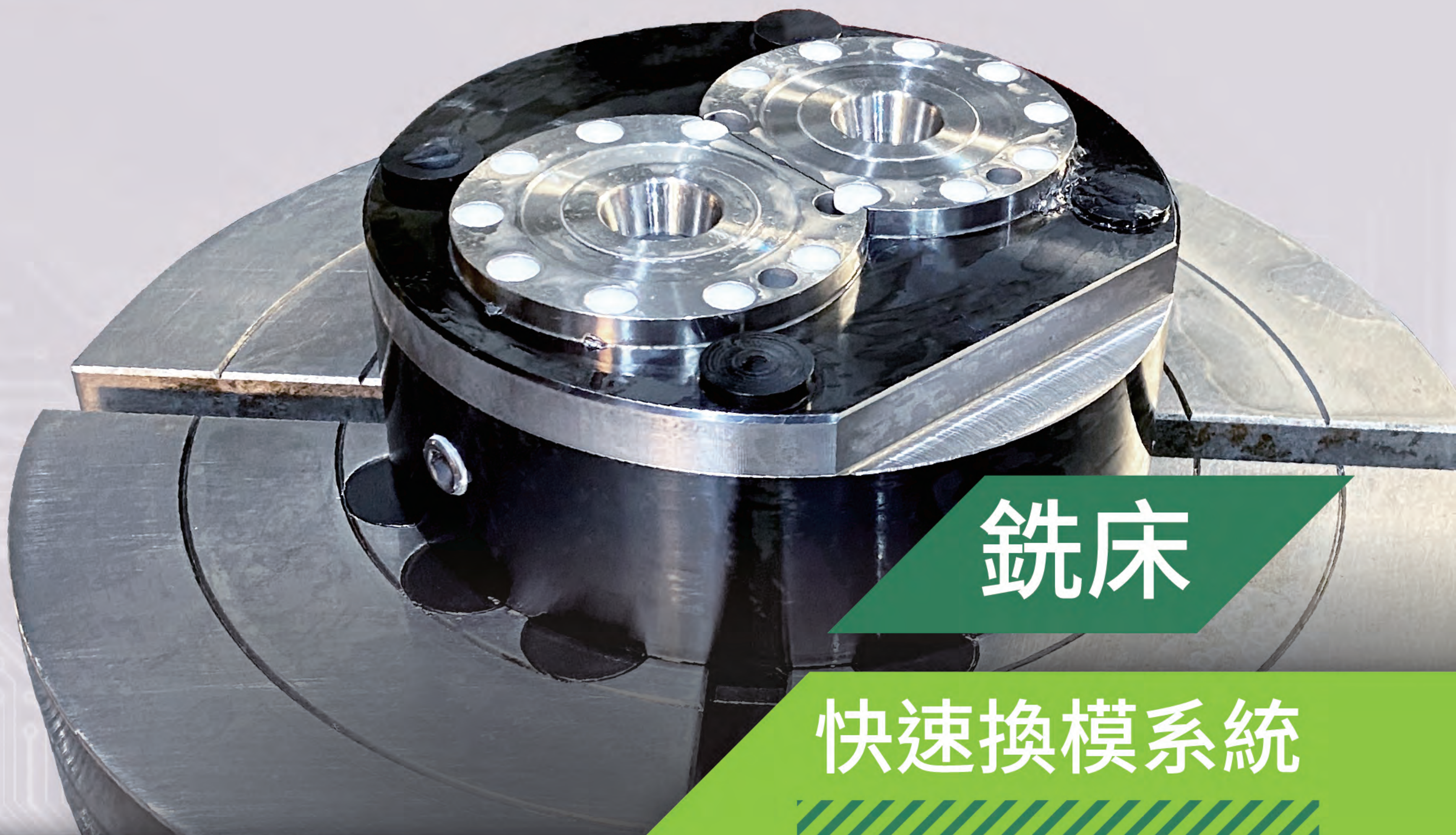
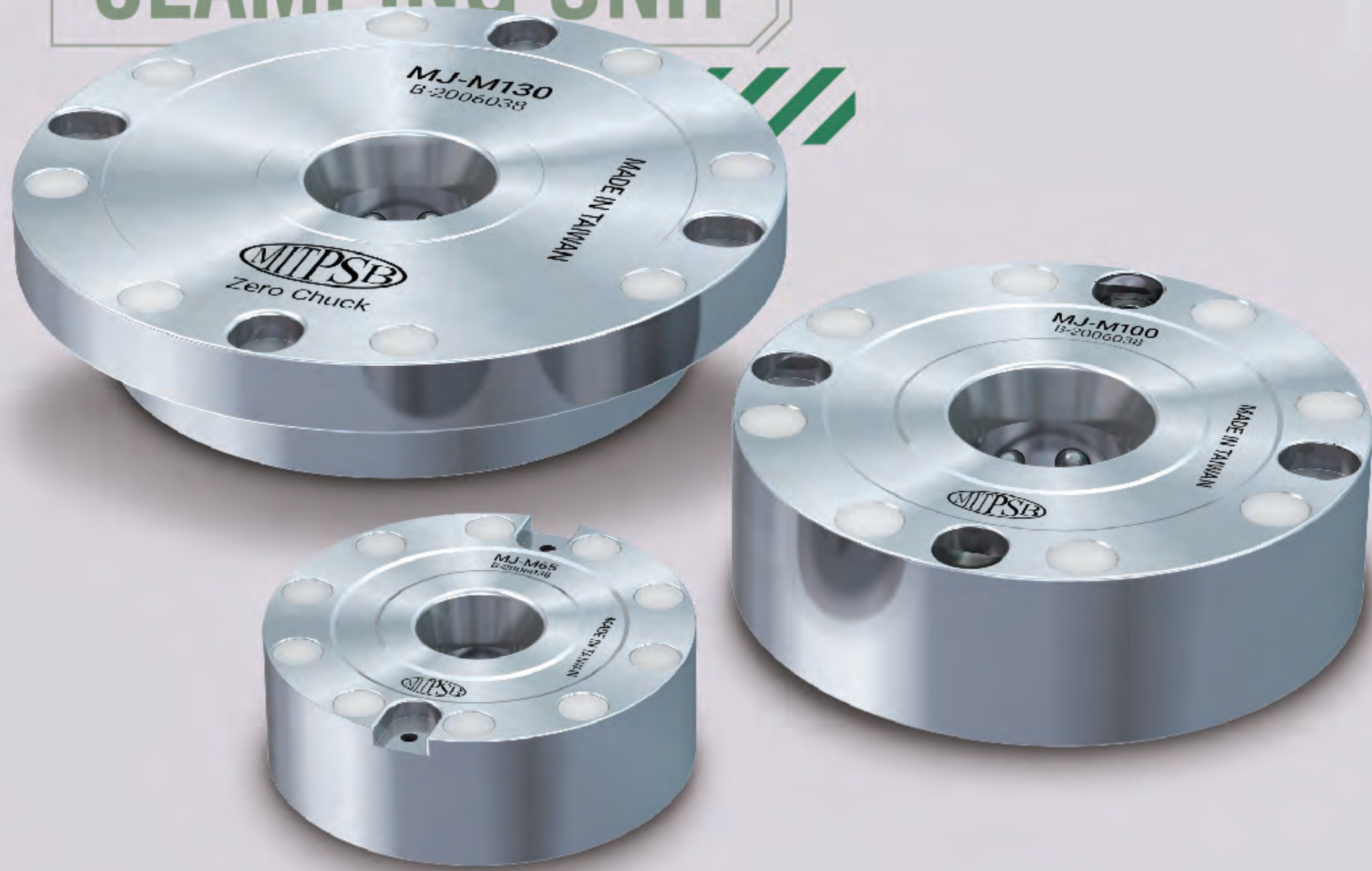


HOLD
Everything

CLAMPING UNIT



銑床

快速換模系統

**QUICK CHANGE
WORKHOLDING**

CLAMPING SYSTEM

零點定位系統

產品剖面結構

Product Section Structure

1 零點夾持本體 Zero-Point Chuck

[不鏽鋼 Stainless Steel HRC57°]

3 活塞 Piston

[執行元件 Operating Units]

2 單顆定位槽 Positioning Slot

[單顆使用時定位用 Positioning when using single chuck.]

4 拉栓 Pull-Bolt

[不鏽鋼 Stainless Steel HRC57°]

5 鋼珠 Steel Ball

[HRC60°]

使用效益分析

Benefit Analysis

導入換模系統後節省的效益

Benefits after the introduction of the mold change system

			Before	After
			2 hours (120 mins)	5 mins
一周工作時間 Work time per week	40 hours (2400 min)	換線架刀平均時間 Avg. mold changing time		
換線架刀平均時間 Number of mold changes	4 times	一周節省時間 Saving time per week	460 mins	
一年節省時間 Saving time per year	23,920 mins	一分鐘用6元算 NT\$ 6 for one minute	NT\$143,520	

100%

產品檢驗 是對客戶的基本承諾

驗證設備

Verification Equipment

硬度測試機
Hardness testing machine



拉力測試設備
Tensile test equipment



重複定位測試機/壽命測試機
Repeat positioning test machine/Life testing machine



蔡司三次元/2 SET
ZEISS CMM/2 SET



加工設備、出貨組裝

Processing Equipment, Shipment & Assembly

廠區
Factory



銑床及自動化設備
Milling with automation equipment



研磨設備
Grinding equipment



車床
Lathe



雷射設備
Laser engraving equipment



出貨
Shipments



CLAMPING UNIT

[130 | 100 | 65]

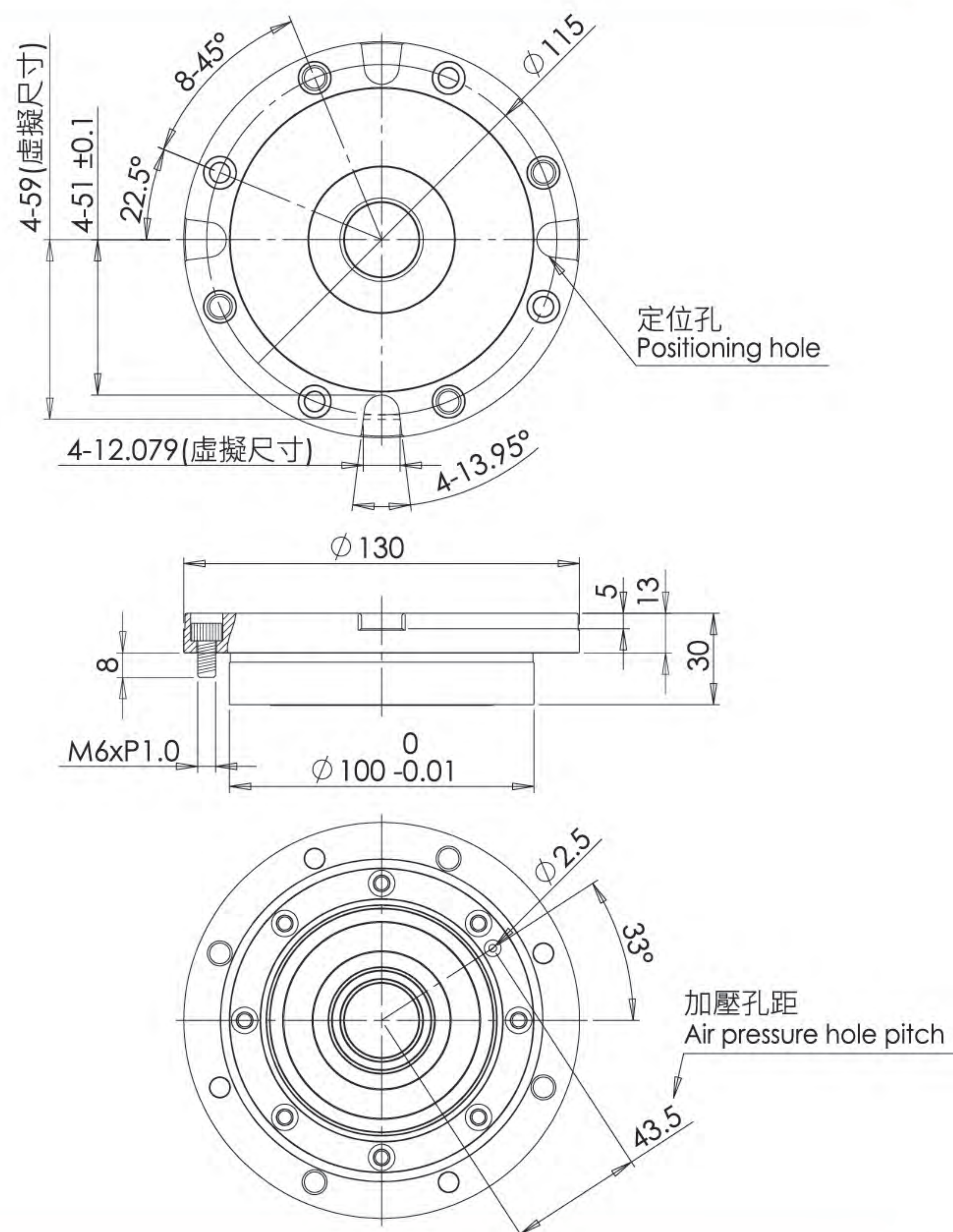
零點定位器

130

MJ-M130

零點定位器

Clamping Unit

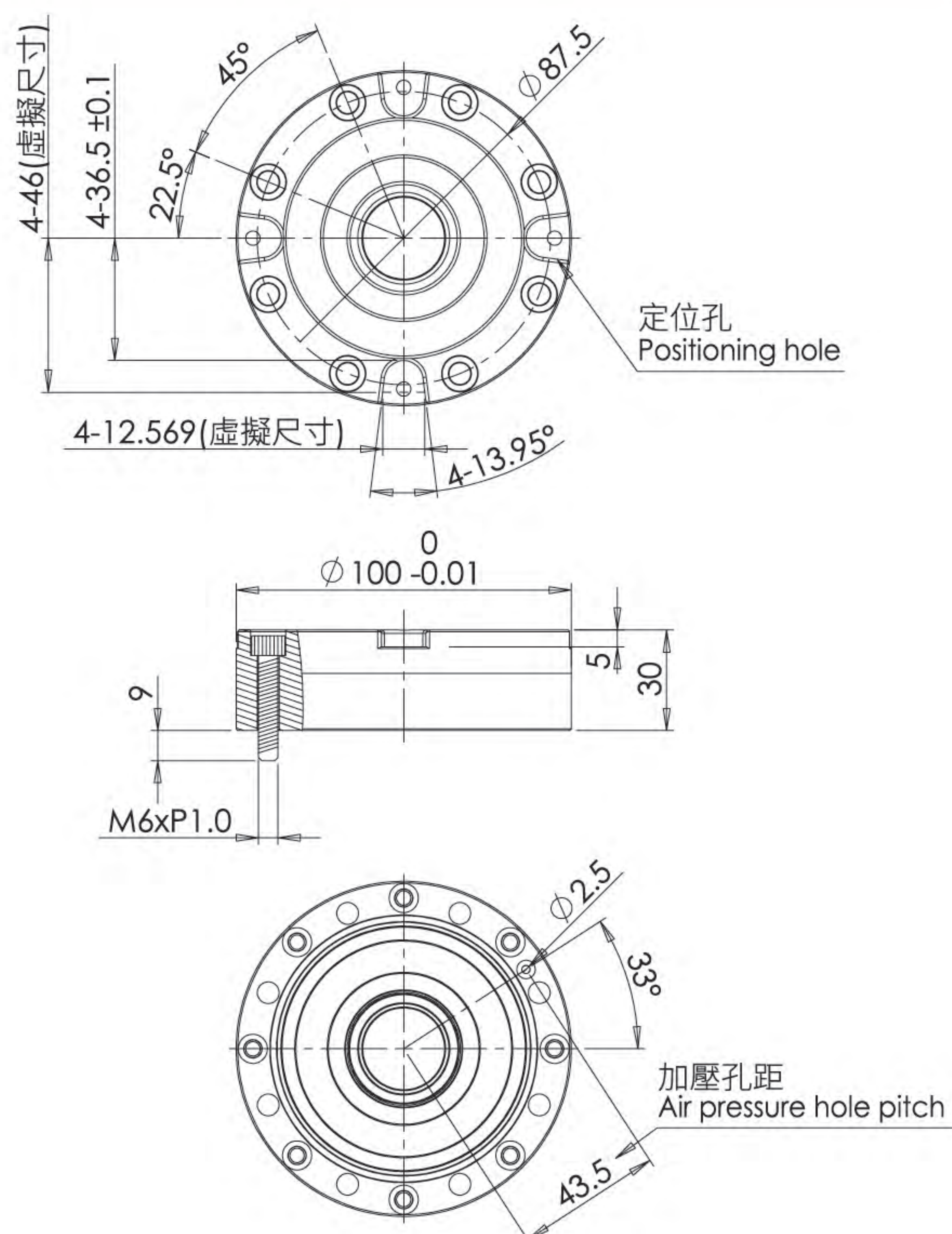


100

MJ-M100

零點定位器

Clamping Unit

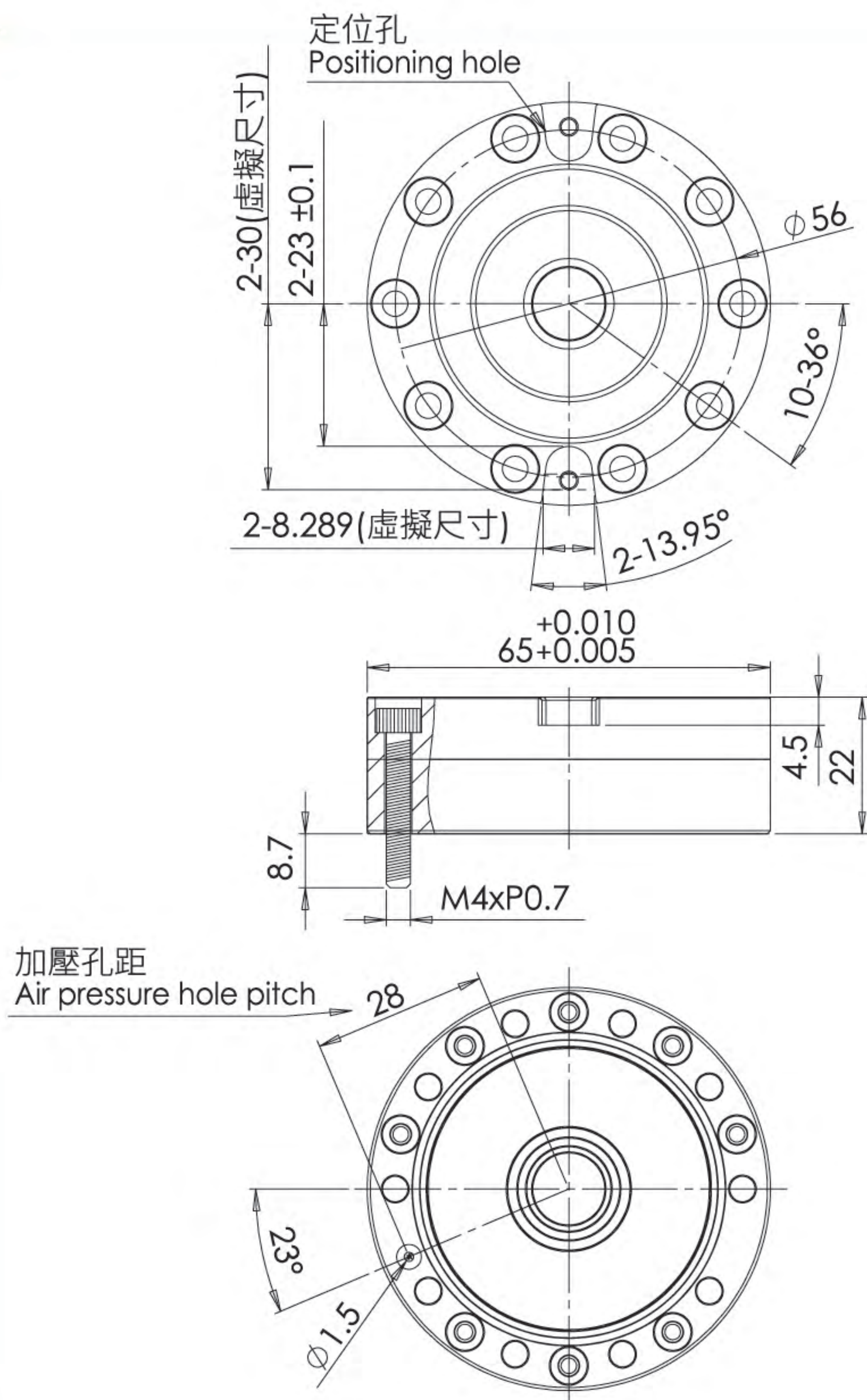


65

MJ-M65

零點定位器

Clamping Unit

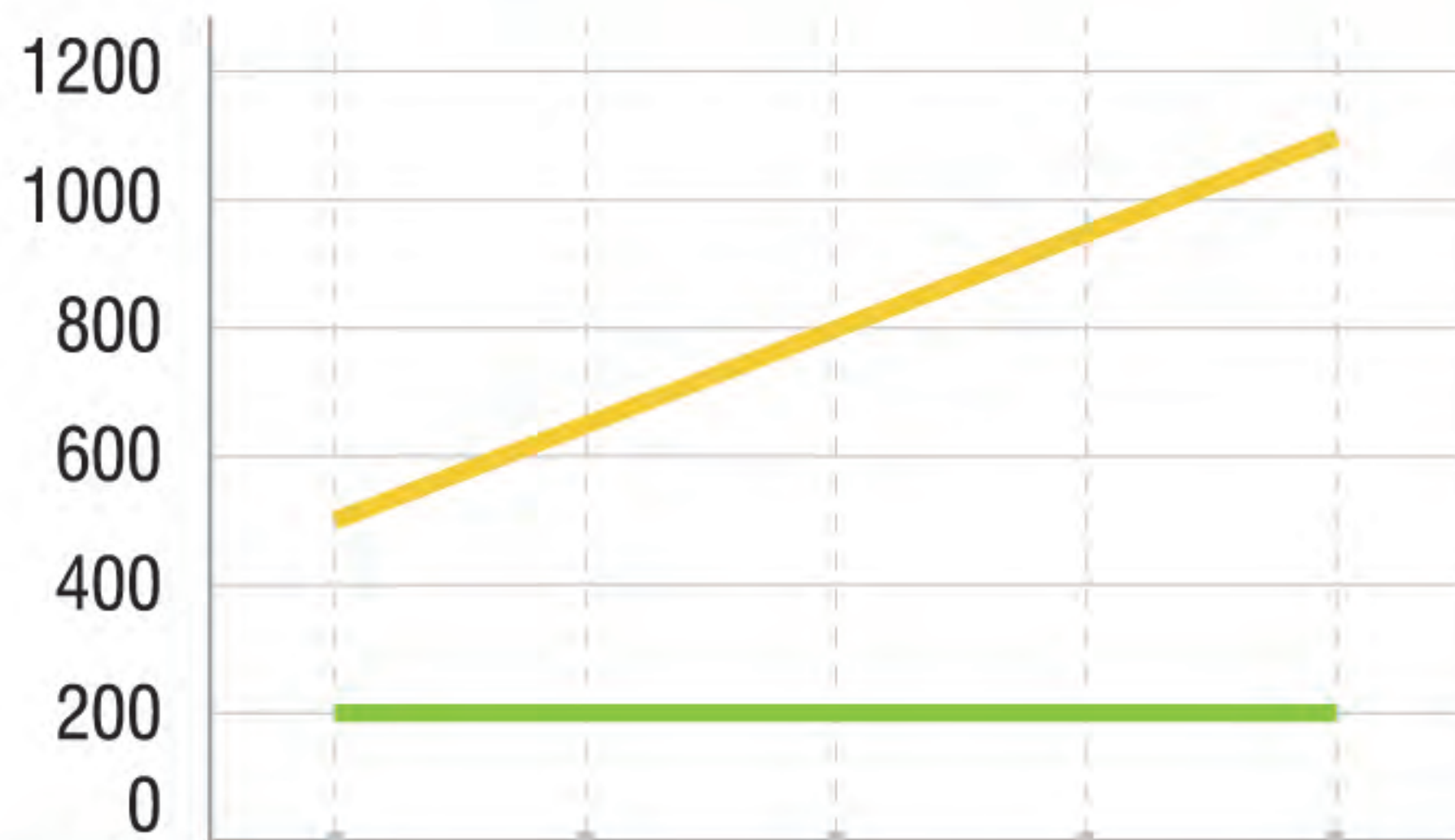


訂購型號 TYPE	加壓拉力 Air pressure clamping force (kgf)	彈簧拉力 Spring force (kgf)	破壞拉力 Unlocking force (kgf)	重量 Weight (kg)	重複精度 Repeat accuracy (mm)	最低供氣壓力 Min.air pressure (bar)	材質 Material
MJ-M130	600	250	4276	2	<0.005mm	6	SUS440C
MJ-M100	600	250	4276	1.5			
MJ-M65	250	100	581	0.5			

拉力測試結果趨勢圖

Tensile test result

130 | 100 型

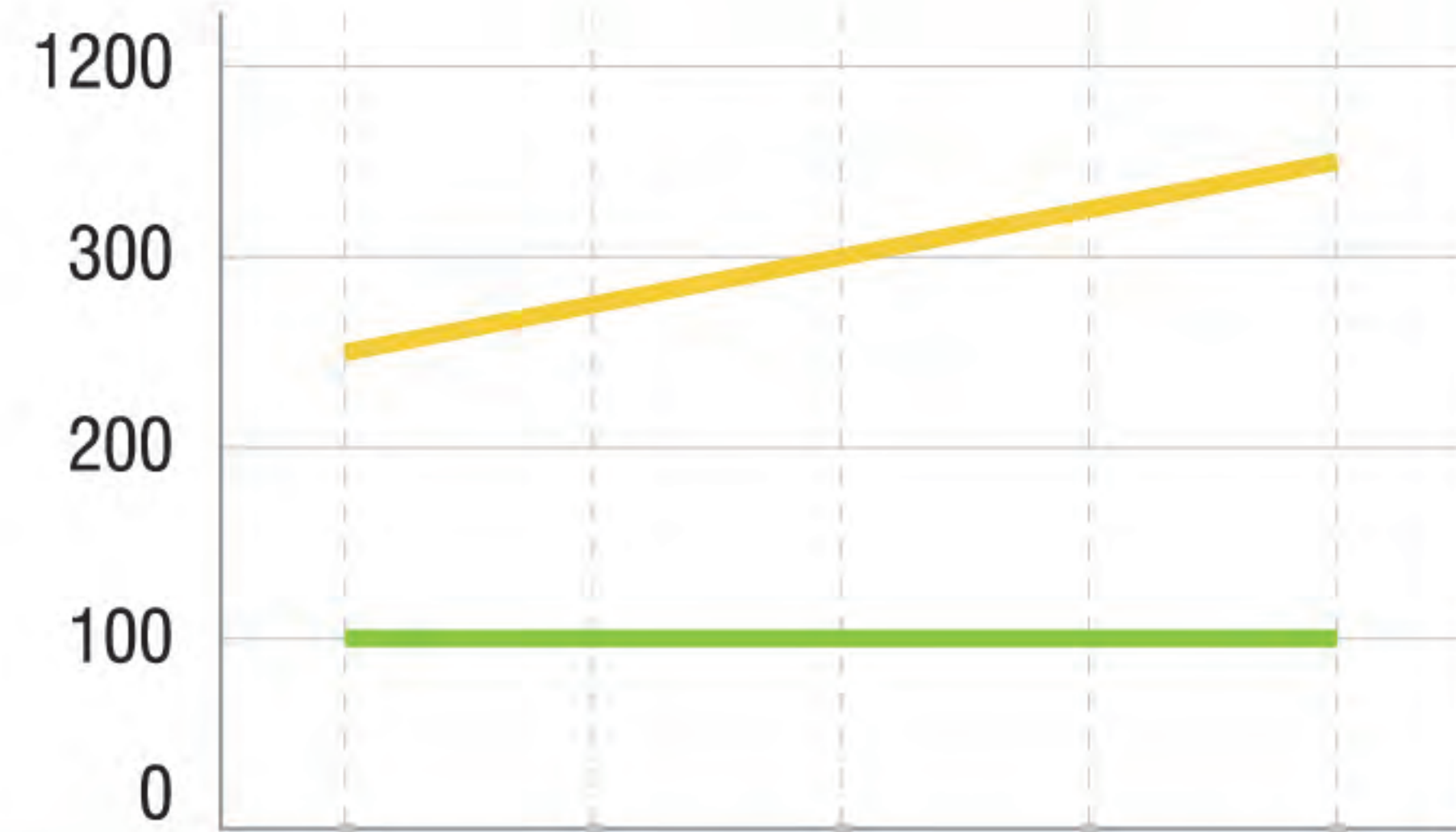


Input	6 bar	7 bar	8 bar	9 bar	10 bar
非加壓/kg Spring force/kg	200	204	204	208	204
加壓/kg Continuous air supply/kg	608	730	816	941	1087

拉力測試結果趨勢圖

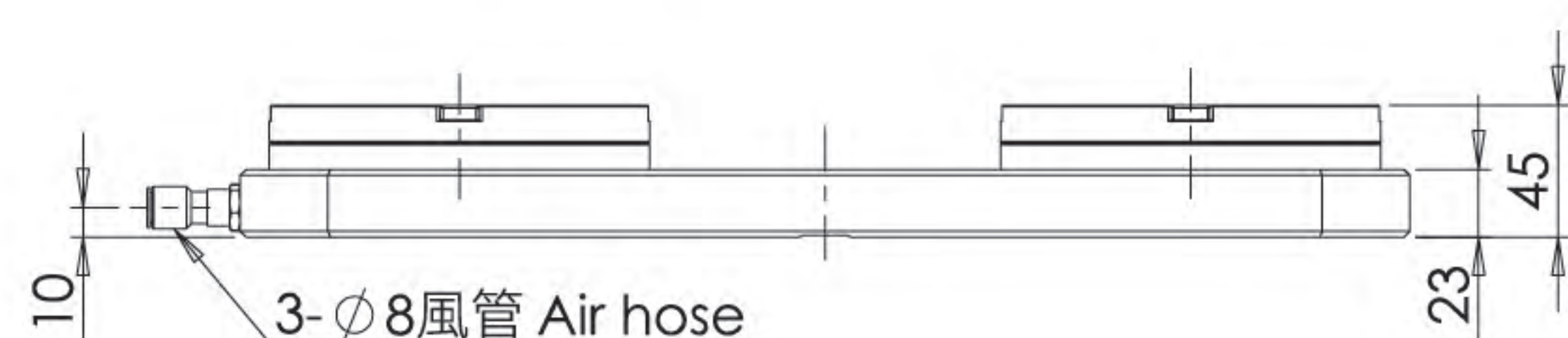
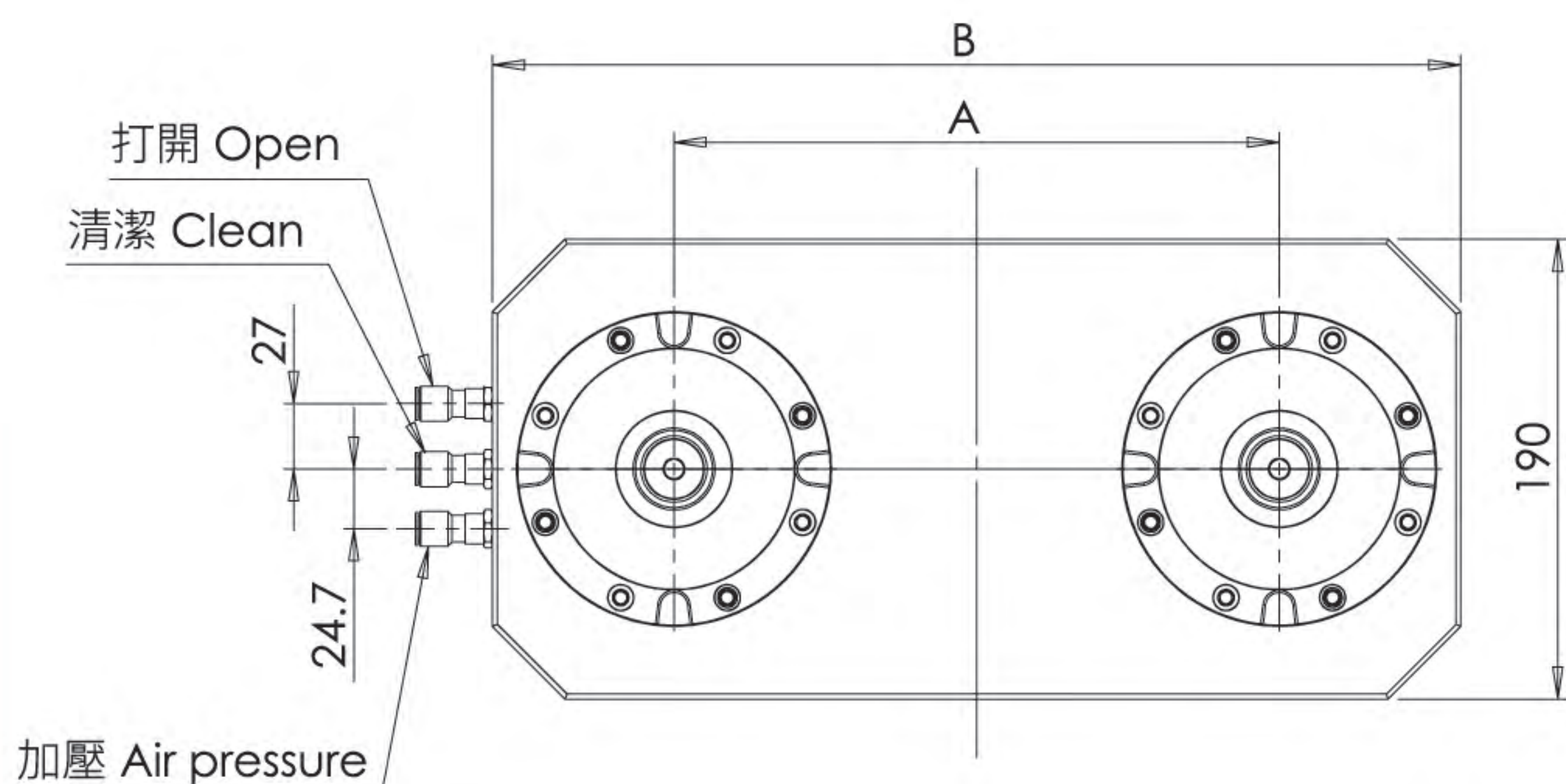
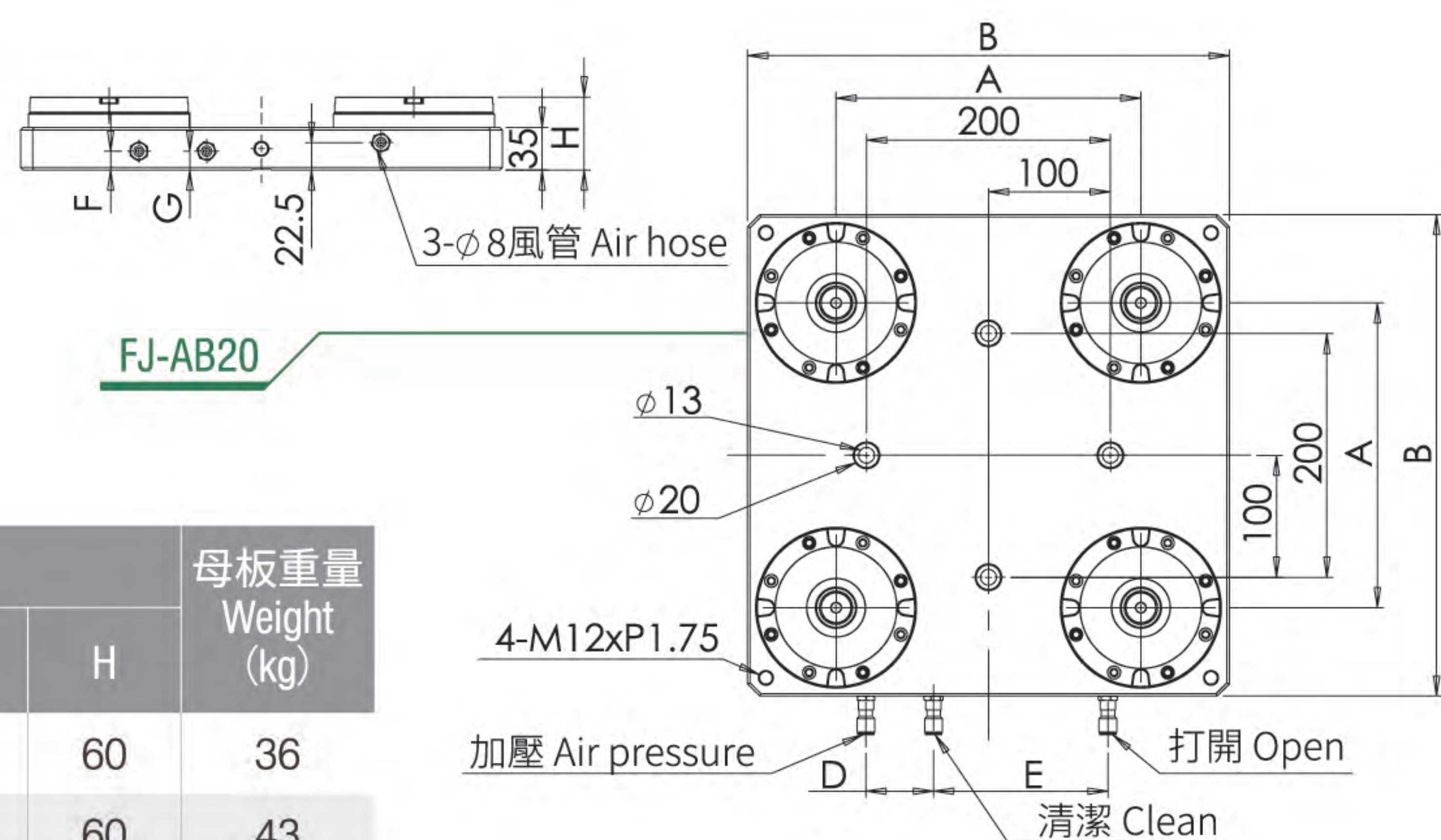
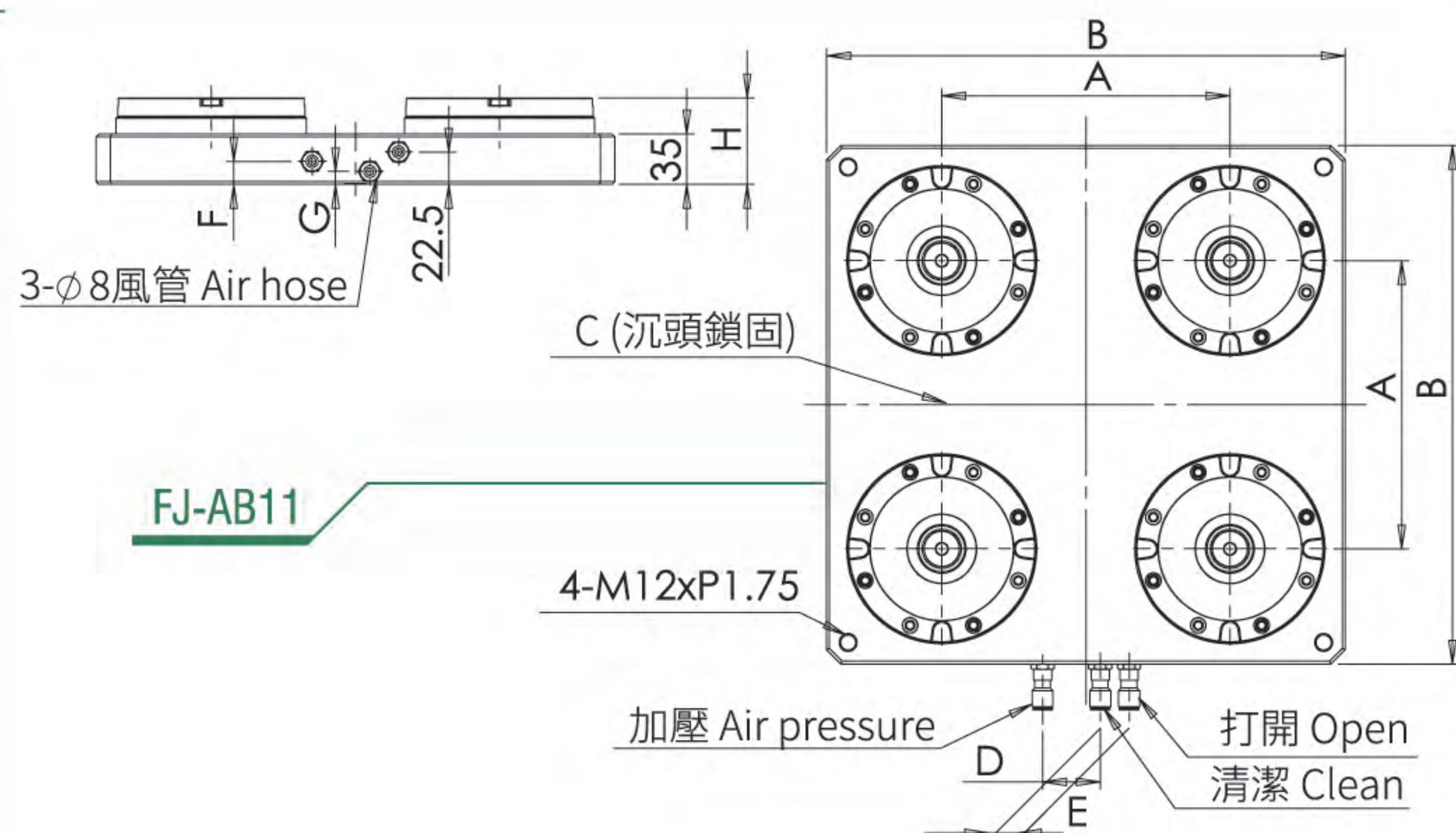
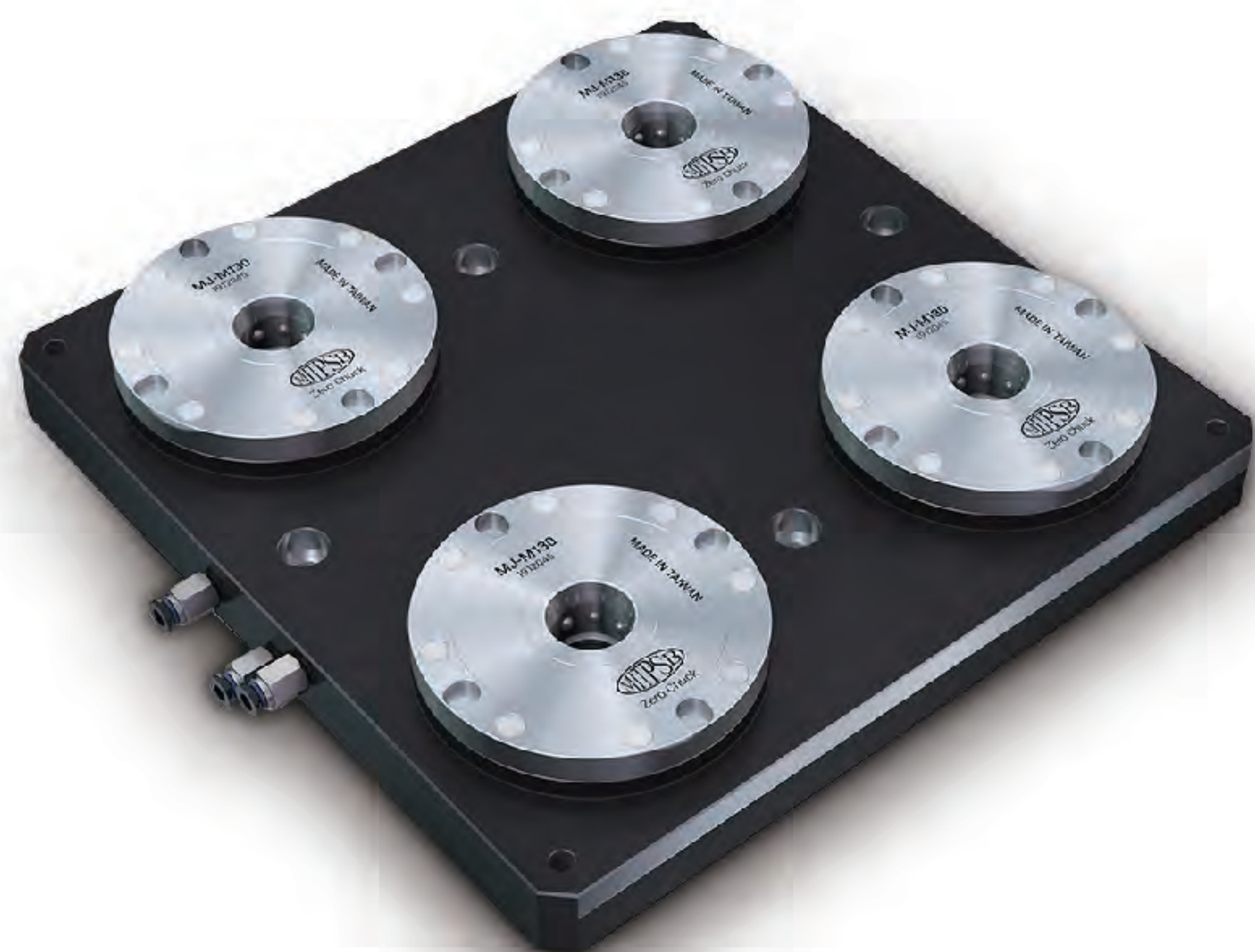
Tensile test result

65 型



Input	6 bar	7 bar	8 bar	9 bar	10 bar
非加壓/kg Spring force/kg	100	100	100	100	100
加壓/kg Continuous air supply/kg	250	280	300	330	360

多顆套件組 [S45C染黑]



MULTIPLE KITS S45C BLACK OXIDE

SINGLE KITS

S45C BLACK OXIDE

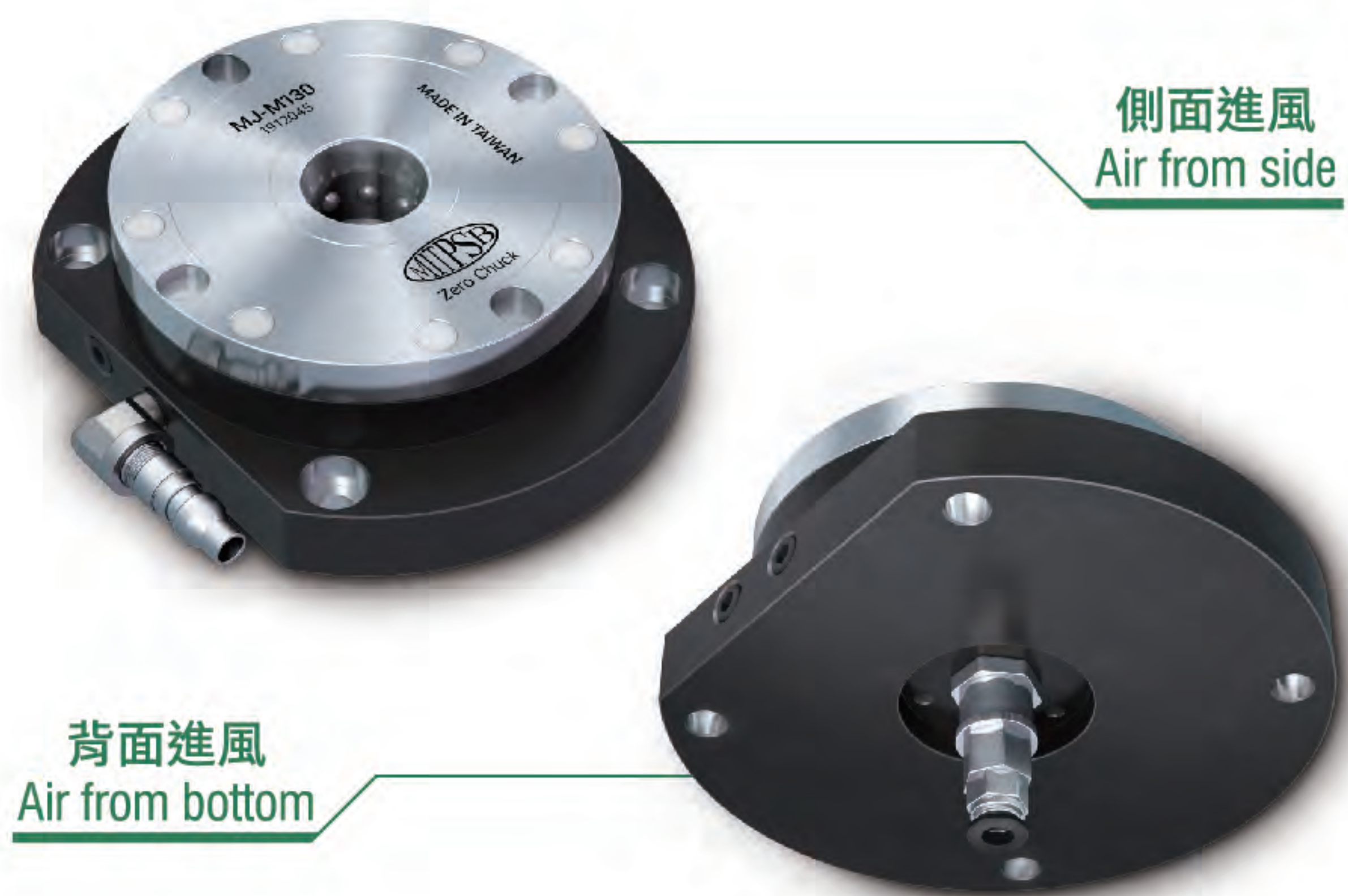
單顆套件組 [S45C染黑]

130 100

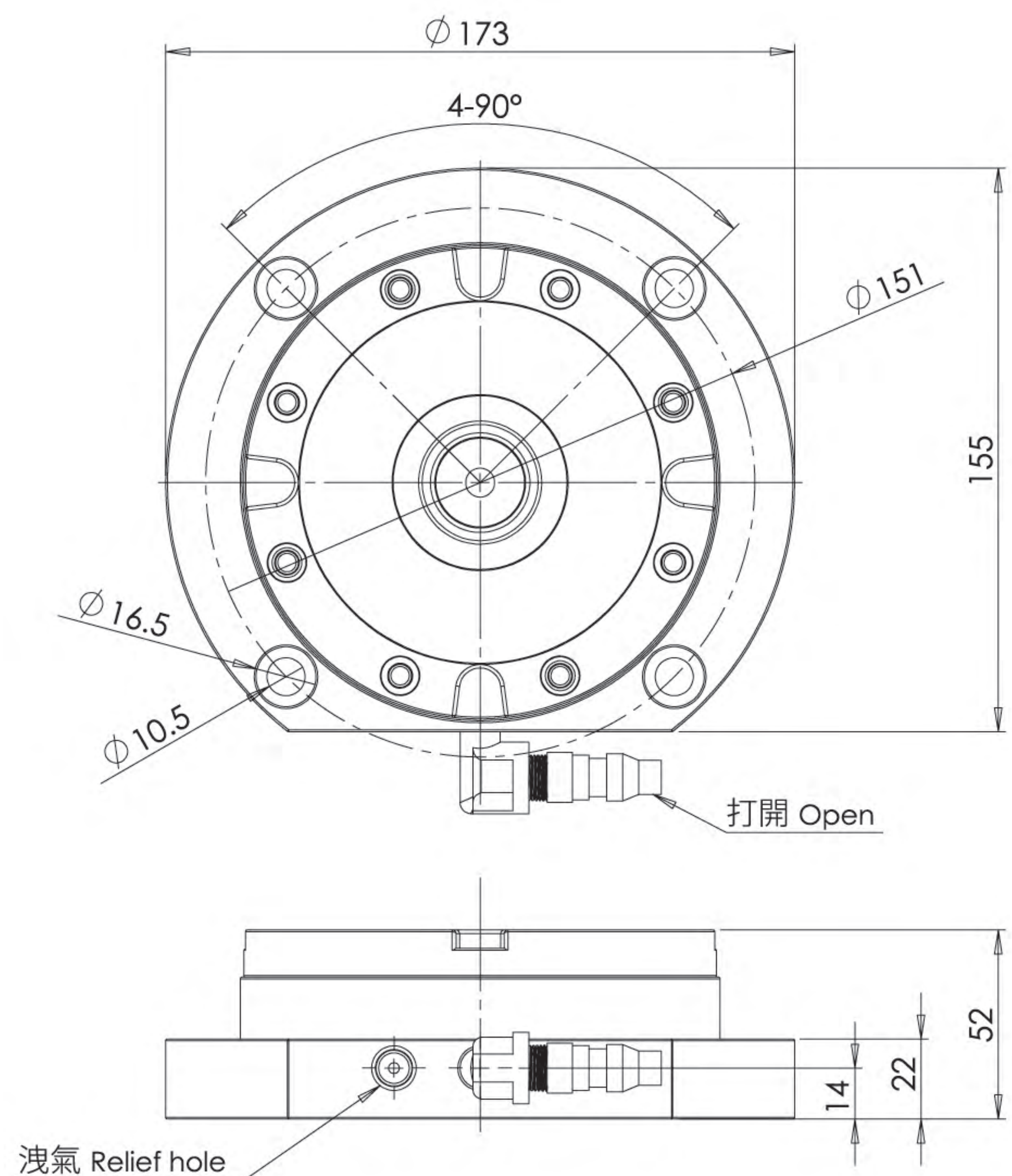
FJ-AB01

單顆套件組

Single Kits



訂購型號 TYPE	母板重量 Weight (kg)	母板材質 Material
FJ-AB01	4	S45C

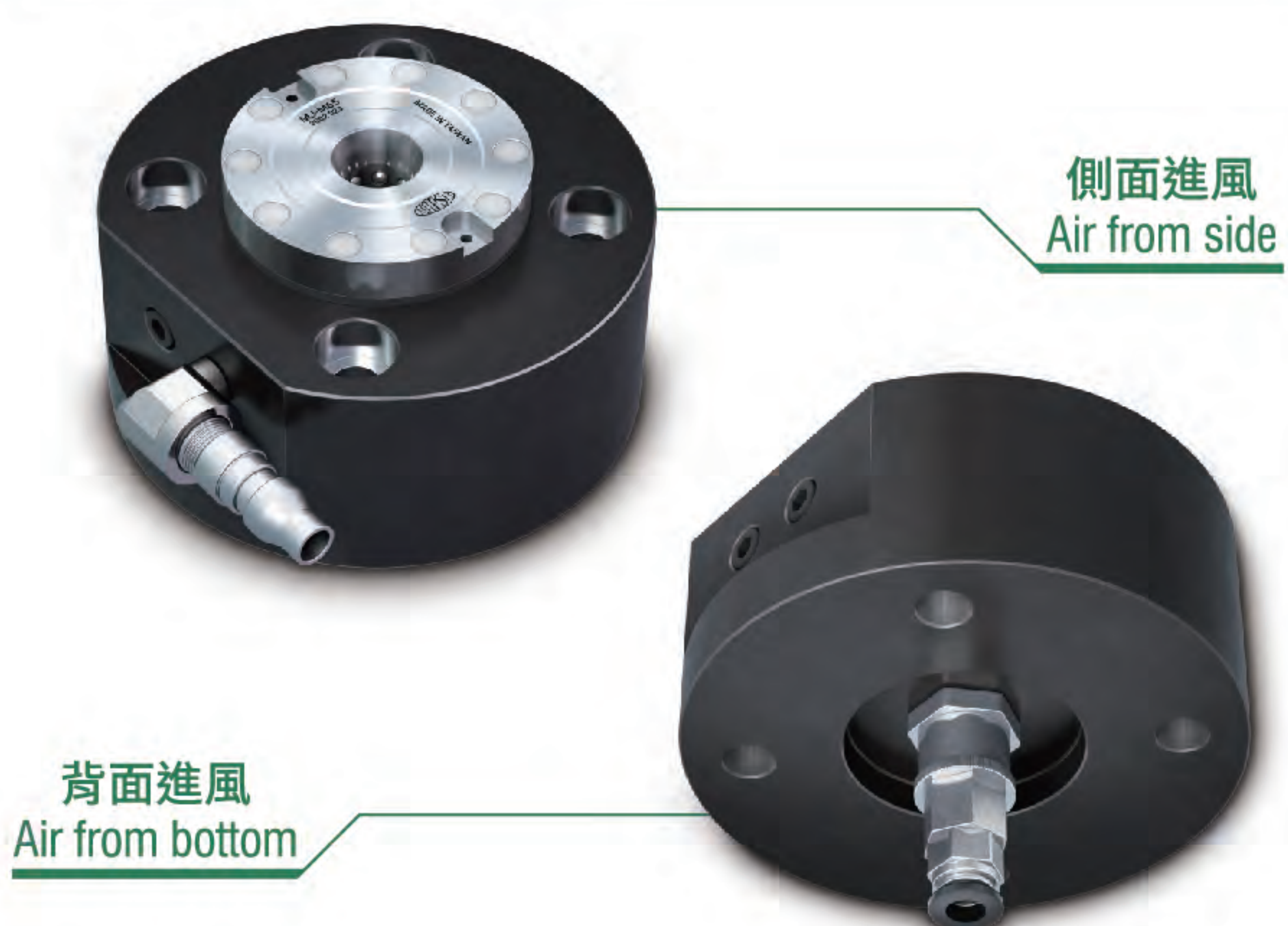


65

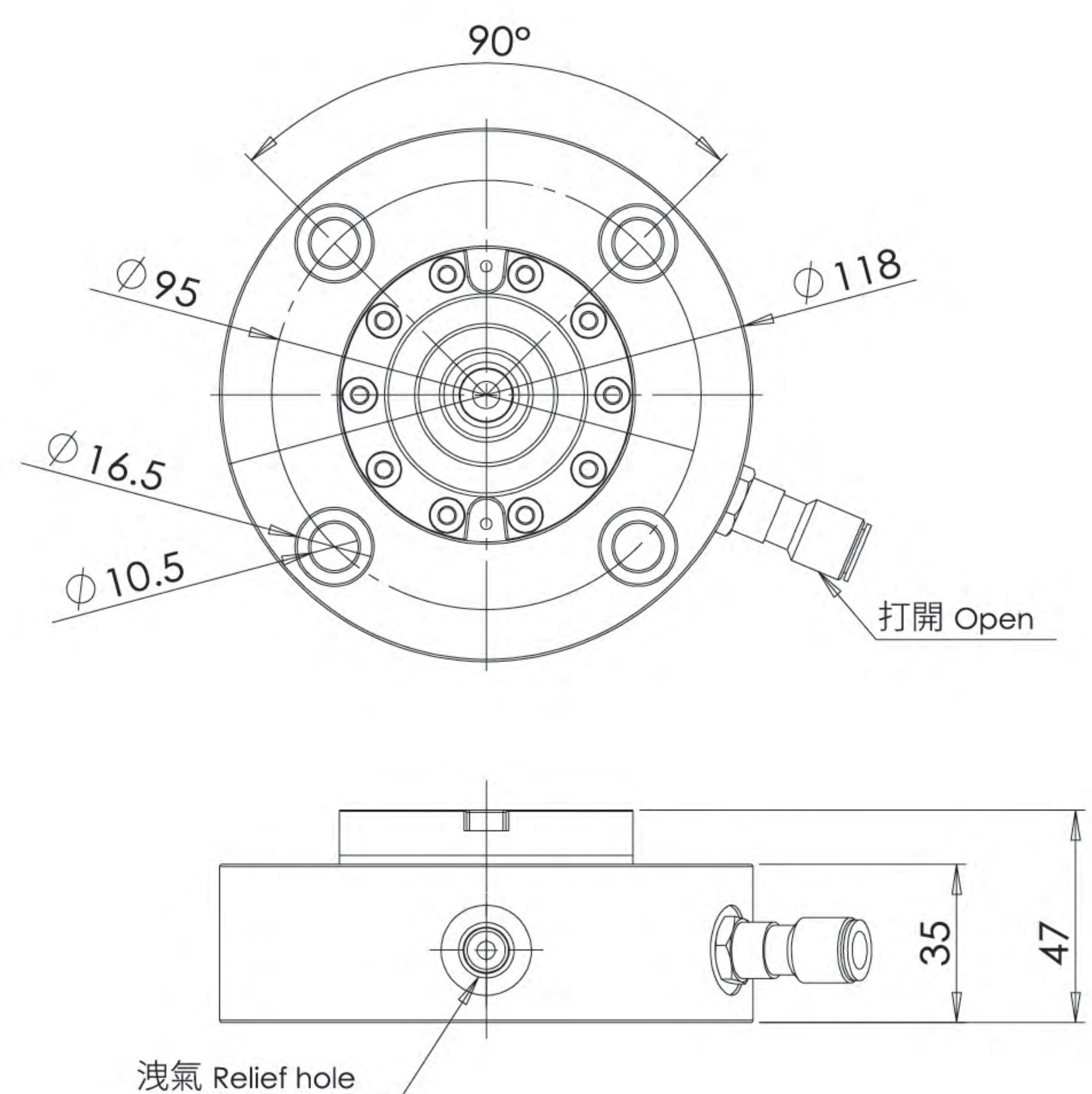
FJ-AB14

單顆套件組

Single Kits



訂購型號 TYPE	母板重量 Weight (kg)	母板材質 Material
FJ-AB14	3	S45C



MULTIPLE KITS FOR TYPE M65

S45C BLACK OXIDE

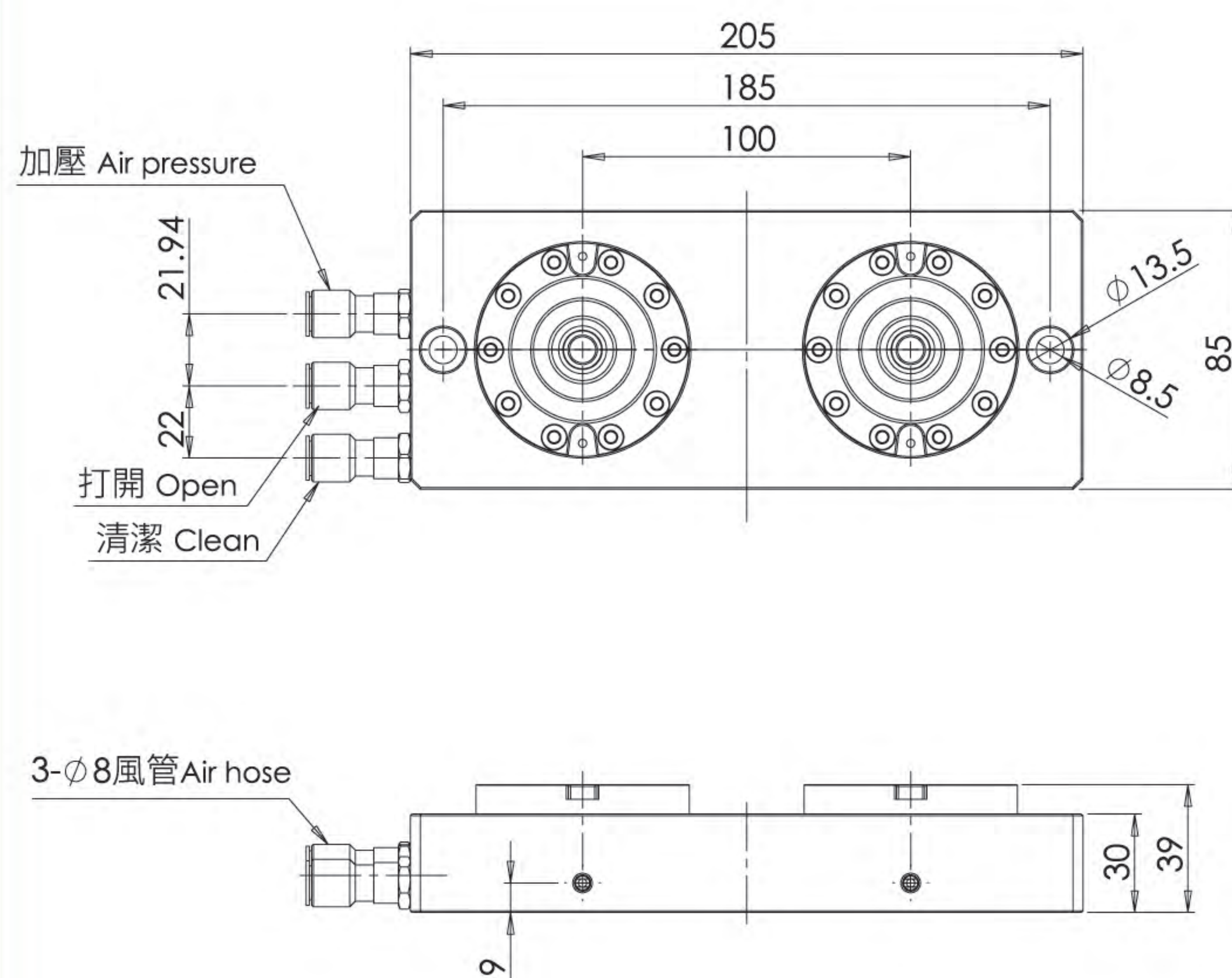
65型多顆套件組 [S45C染黑]

65

FJ-AB16

雙穴組

Two-Way Set



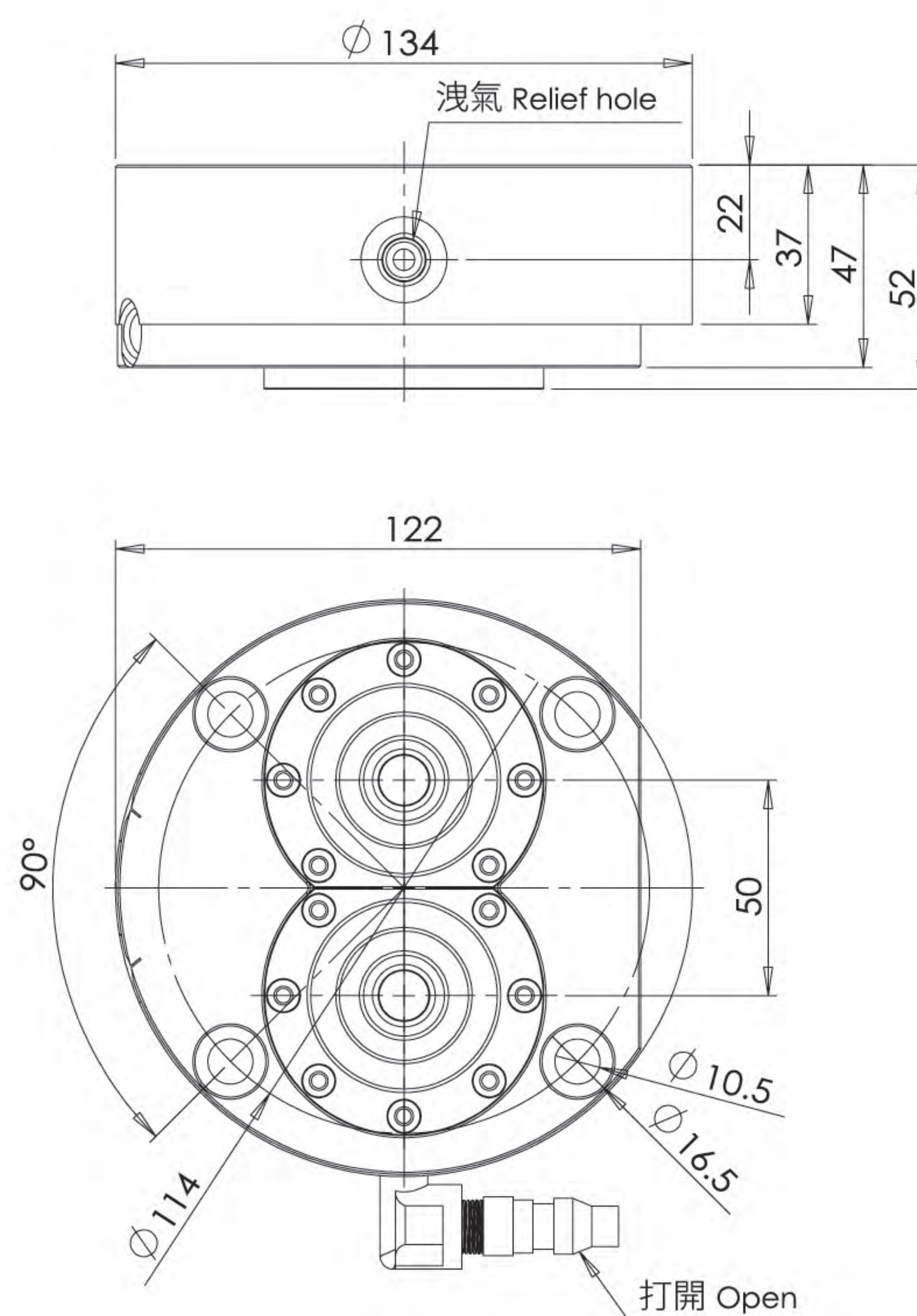
訂購型號 TYPE	母板重量 Weight (kg)	母板材質 Material
FJ-AB16	4	S45C

65

FJ-AB17

雙穴組

Two-Way Set



訂購型號 TYPE	總重量 Weight (kg)	母板材質 Material
FJ-AB17	5	S45C

PULL-BOLT

[130 | 100 | 65]

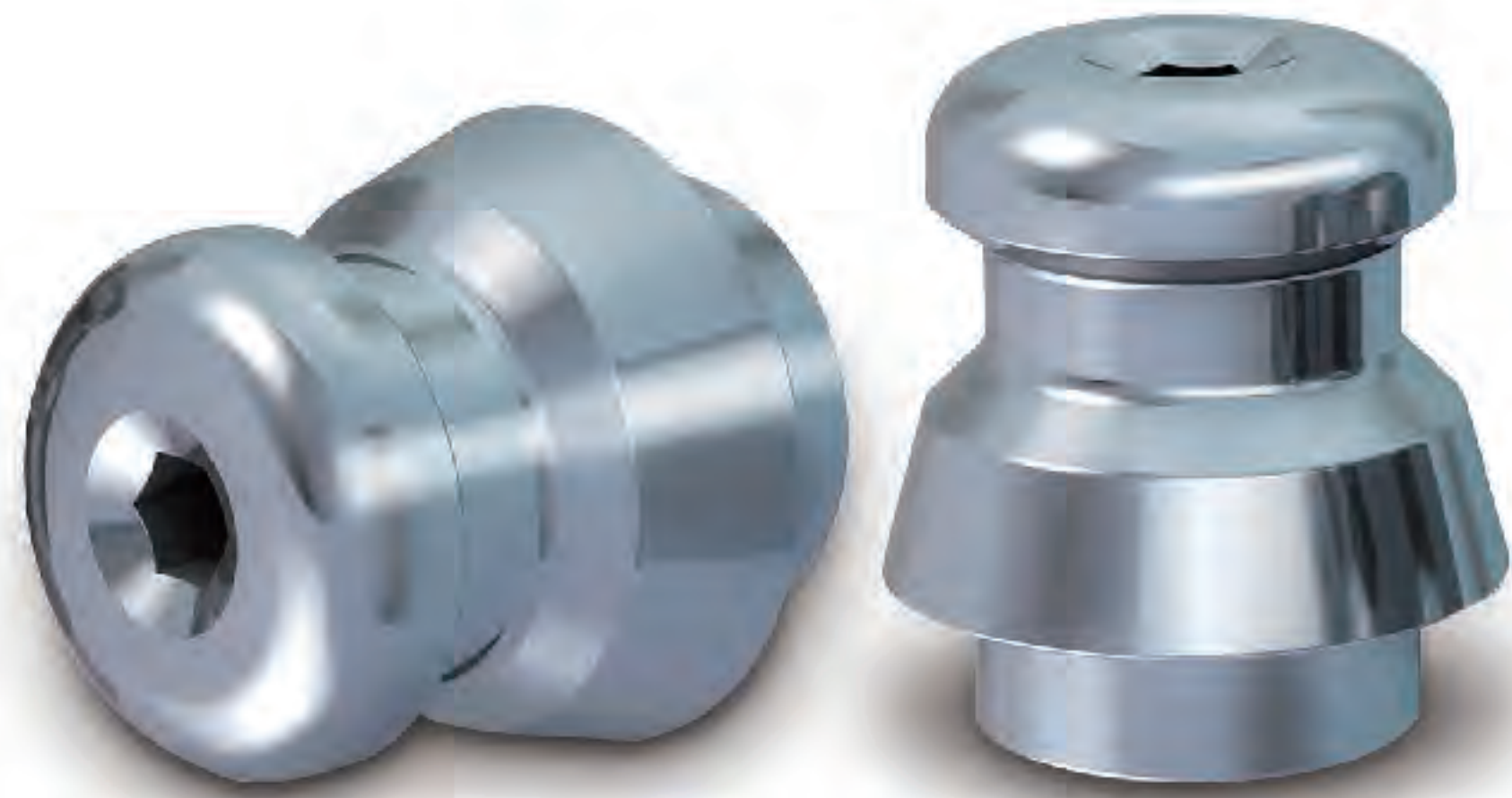
拉栓

130 100

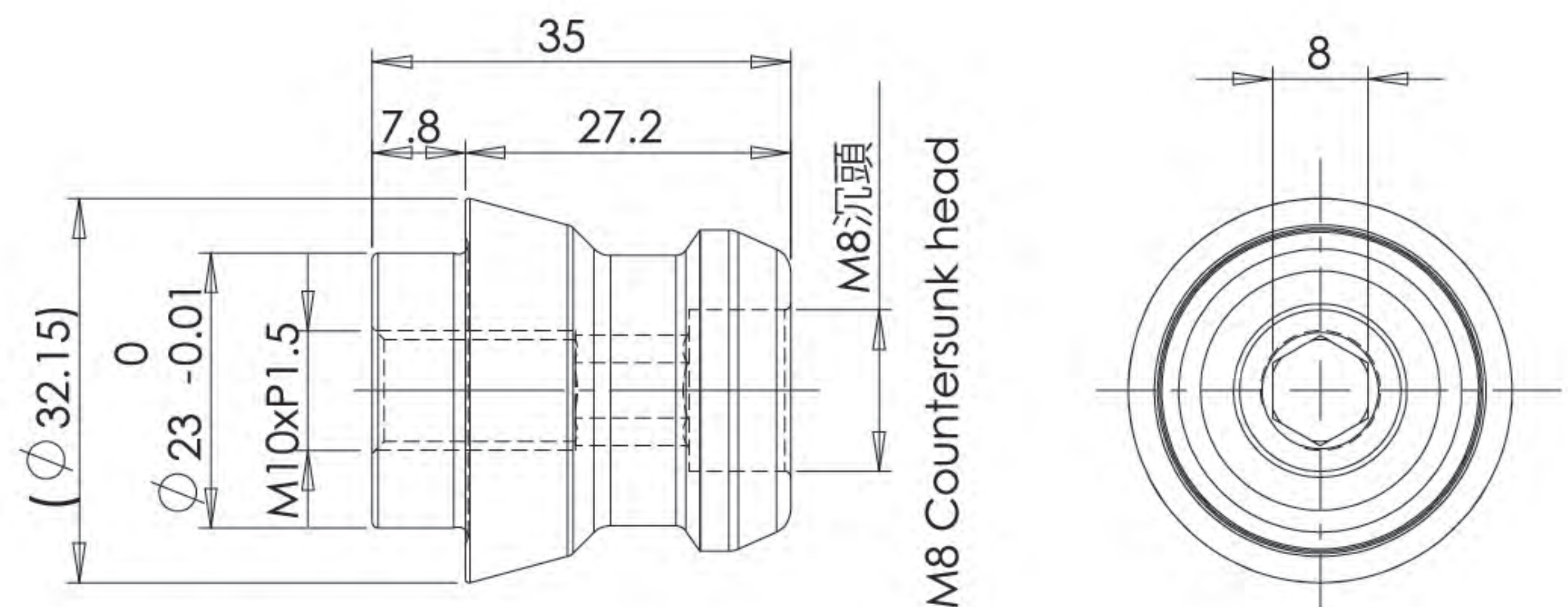
FJ-AA19/AA20/AA29/AA31

拉栓

Pull-Bolt

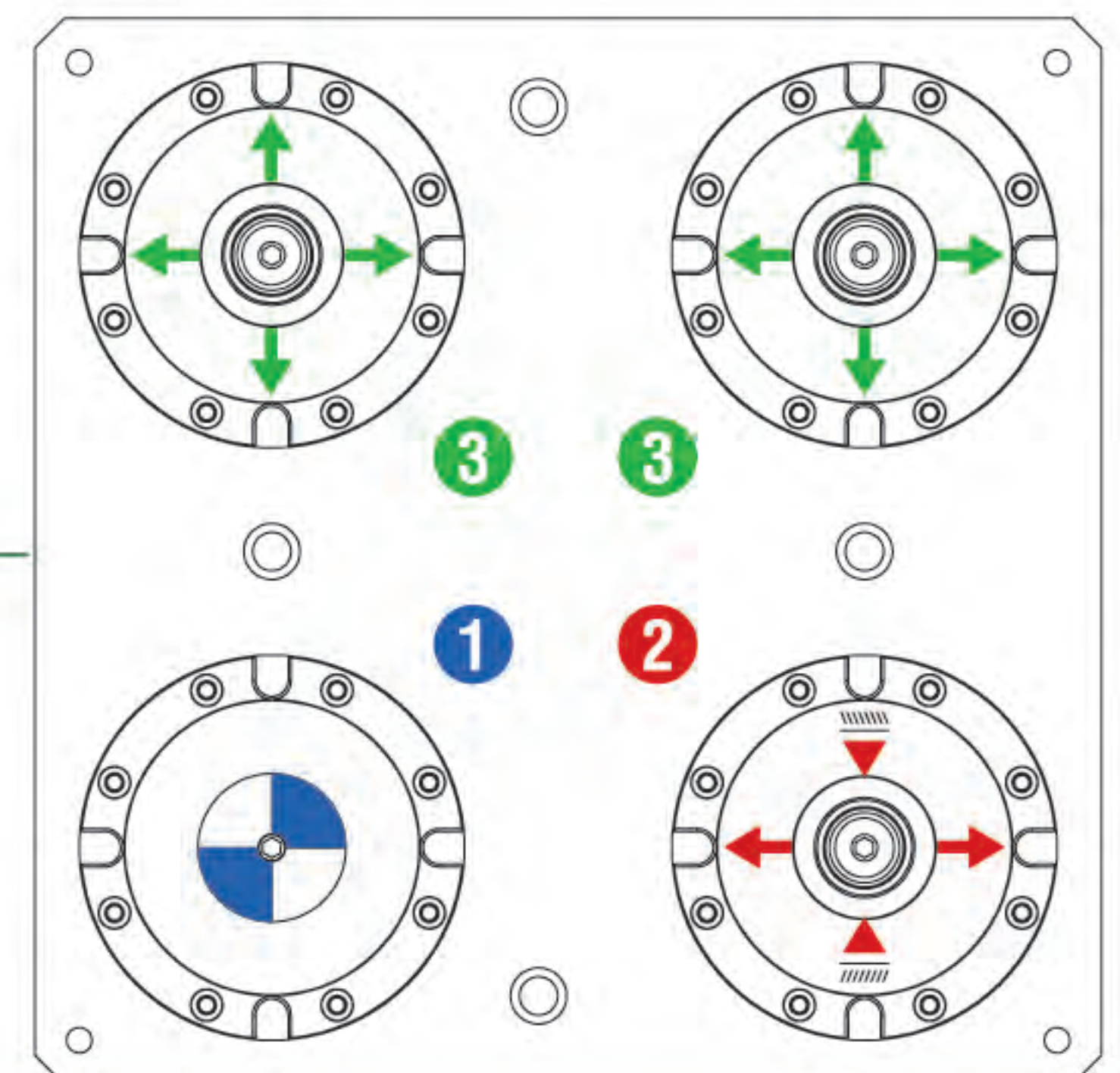


訂購型號 TYPE	品名 Item	重量 Weight (kg)	拉栓材質 Material
FJ-AA19	軸向拉栓(有牙)	0.1	SUS440C
FJ-AA20	軸向拉栓(無牙)	0.1	SUS440C
FJ-AA29	精準拉栓	0.1	SUS440C
FJ-AA31	夾緊拉栓	0.1	SNCM220 染黑處理 Black Oxide



拉栓安裝示意圖
Pull-bolt mounting schematic

- 1 FJ-AA29
- 2 FJ-AA19·FJ-AA20
- 3 FJ-AA31



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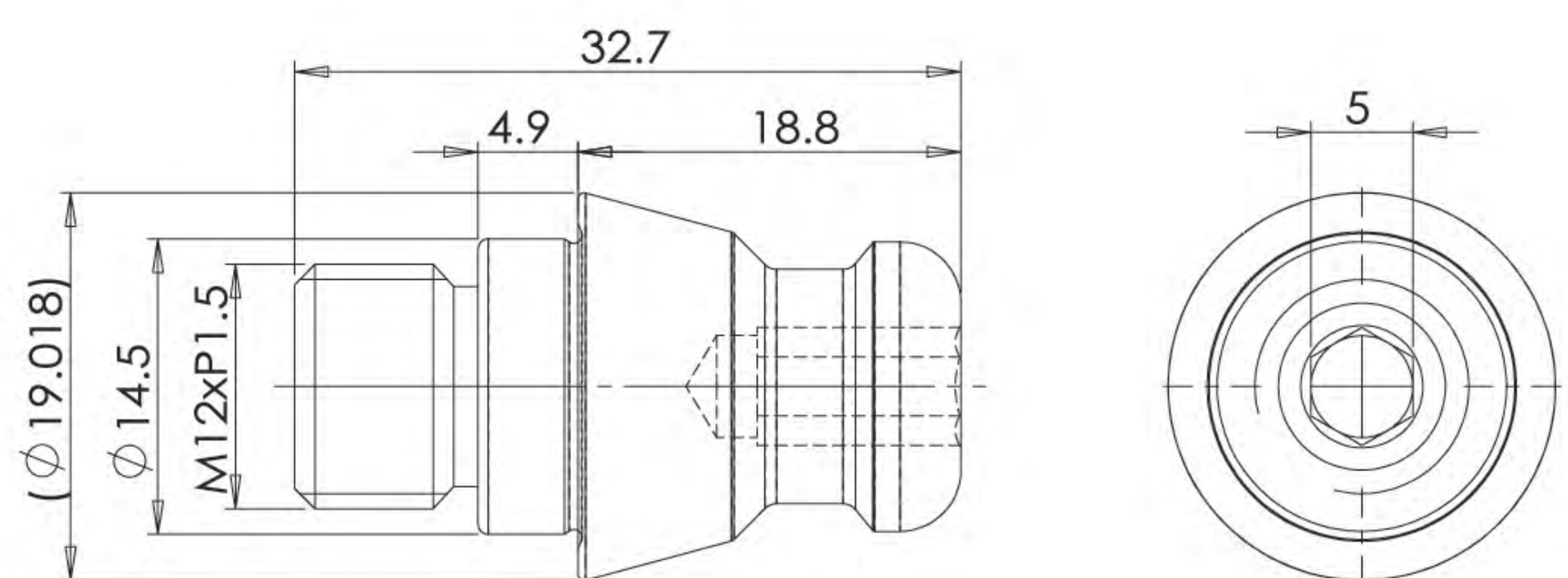
FJ-AA13/AA26/AA27/AA32

拉栓

Pull-Bolt

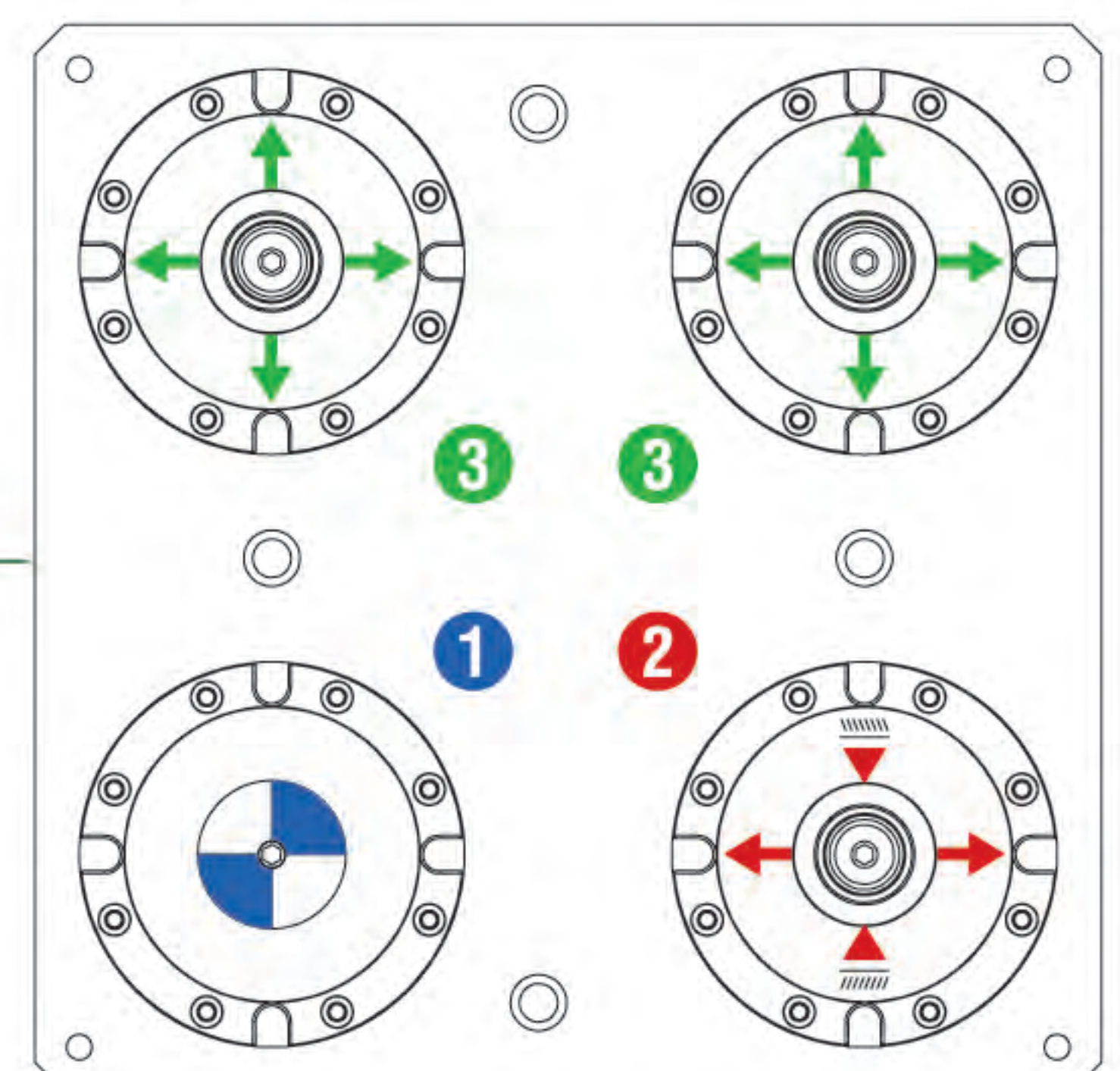


訂購型號 TYPE	品名 Item	重量 Weight (kg)	拉栓材質 Material
FJ-AA13	精準拉栓(外牙)	0.1	SUS440C
FJ-AA26	軸向拉栓	0.1	SUS440C
FJ-AA27	夾緊拉栓	0.1	SNCM220 染黑處理 Black Oxide
FJ-AA32	精準拉栓(內牙)	0.1	SUS440C



拉栓安裝示意圖
Pull-bolt mounting schematic

- 1 FJ-AA13·FJ-AA32
- 2 FJ-AA26
- 3 FJ-AA27



MANIPULATOR CHUCK

[100 | 65]

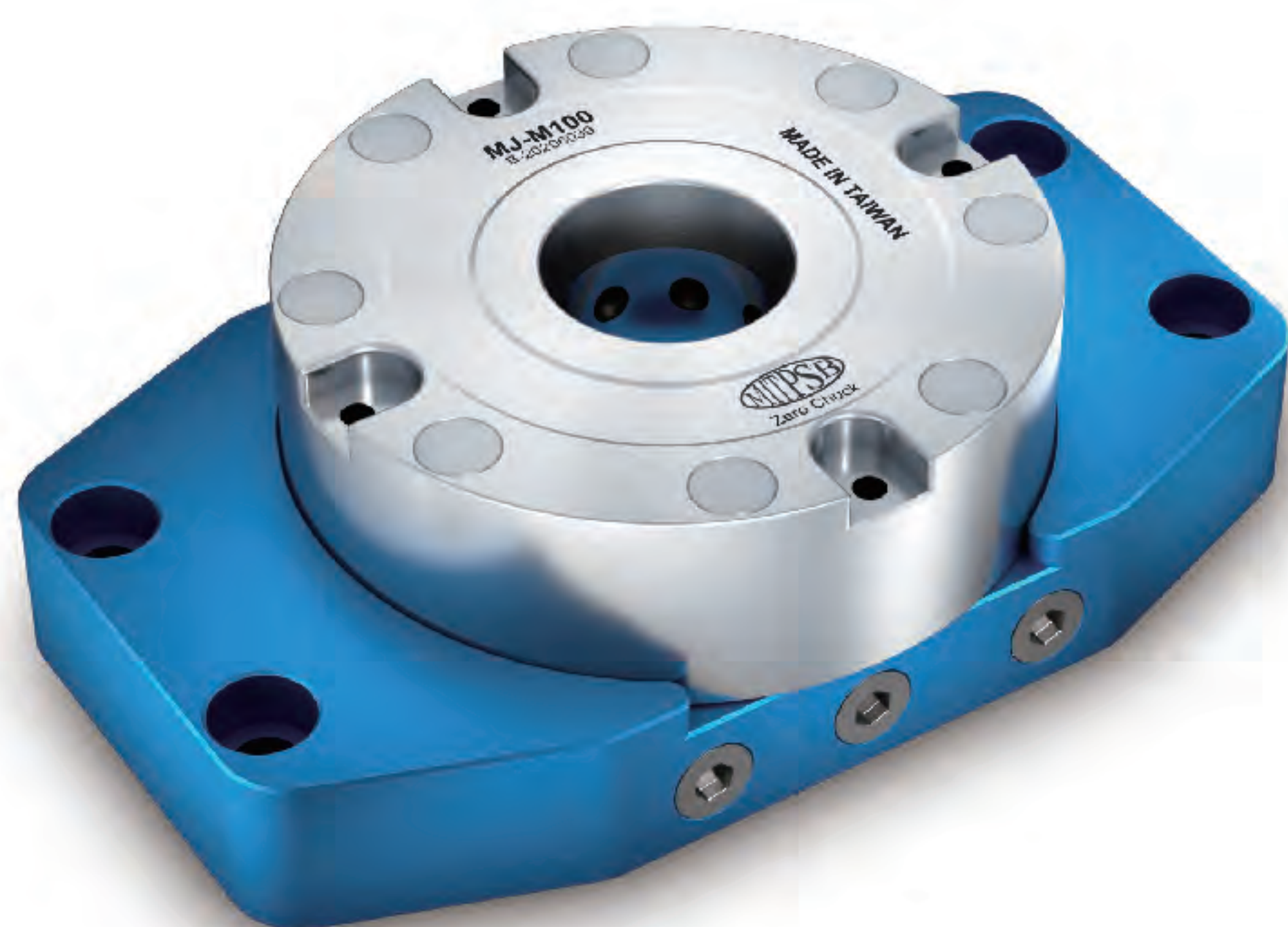
機械手夾頭

100

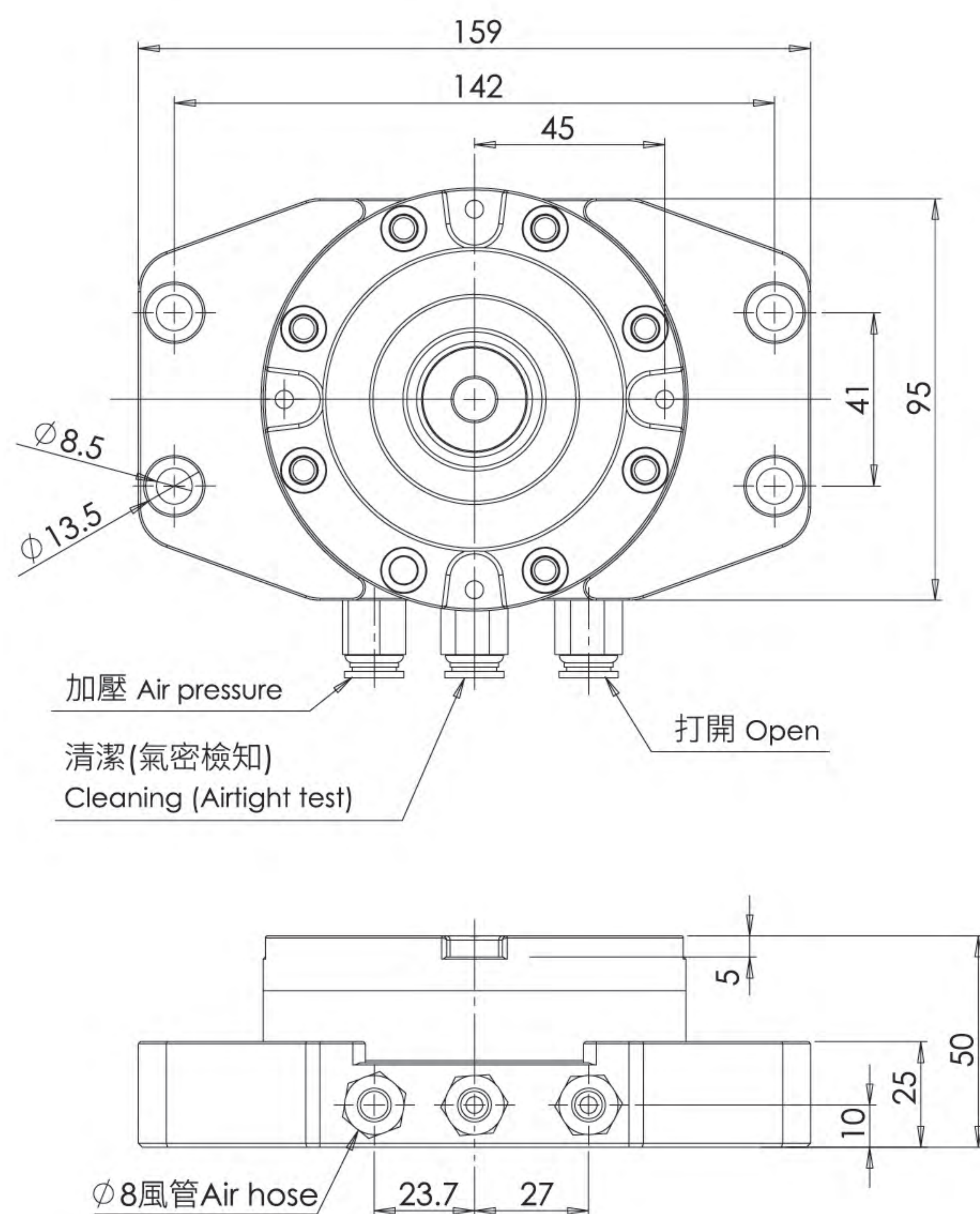
FJ-AD15

機械手夾頭

Manipulator Chuck



訂購型號 TYPE	總重量 Weight (kg)	母座材質 Material
FJ-AD15	3	AL6061



65

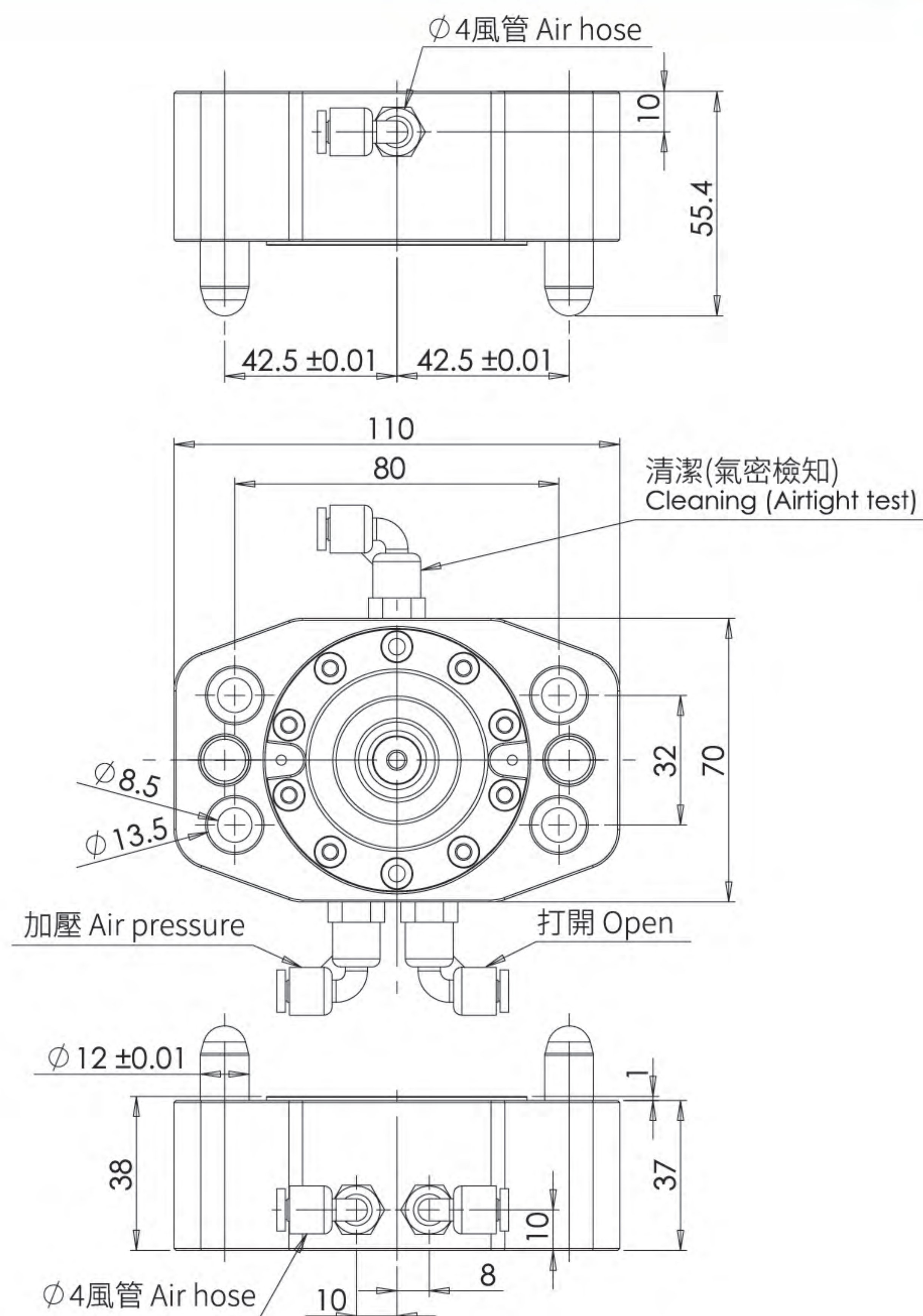
FJ-AD26

機械手夾頭

Manipulator Chuck



訂購型號 TYPE	總重量 Weight (kg)	母座材質 Material
FJ-AD16	1	AL6061



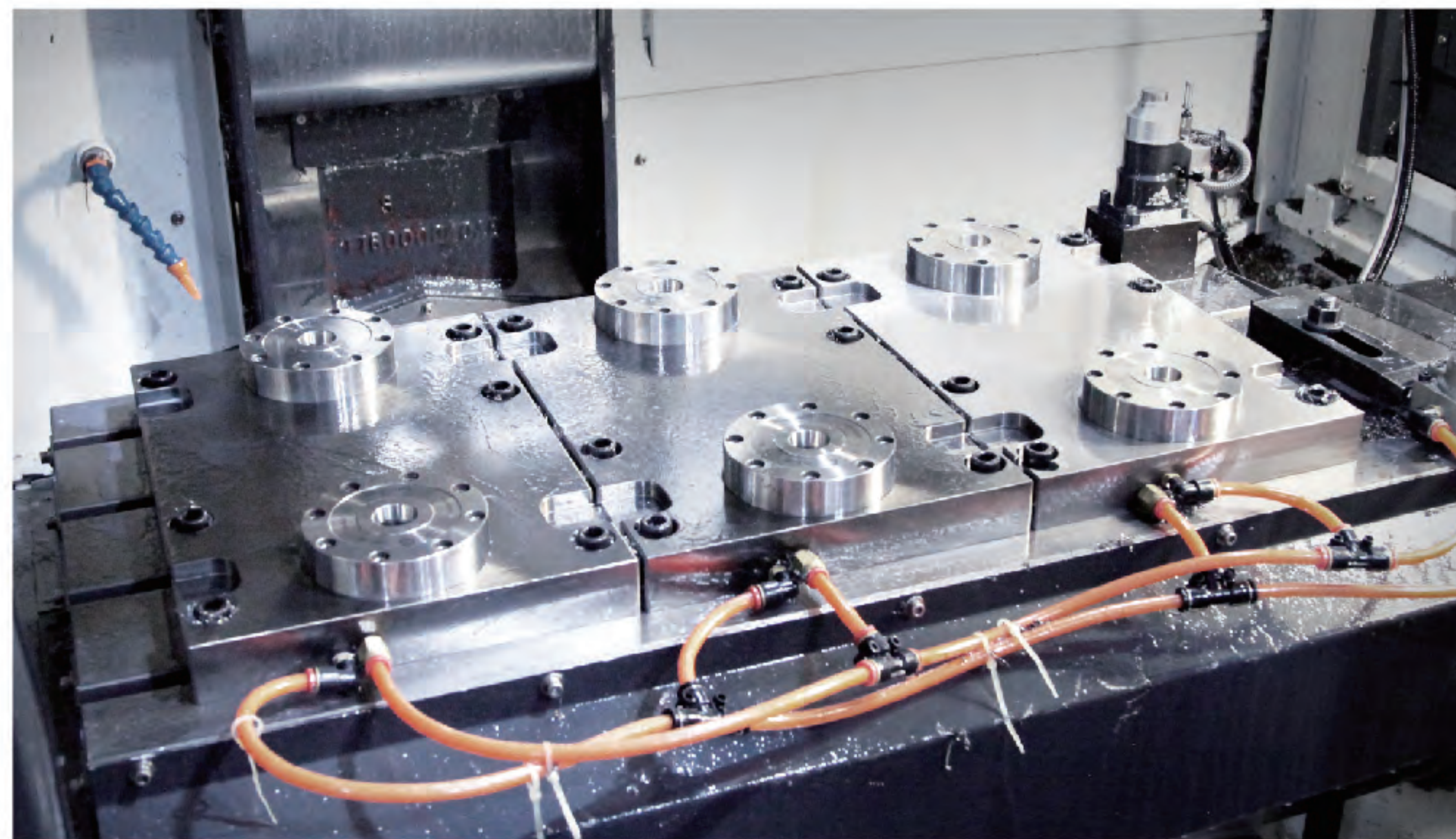
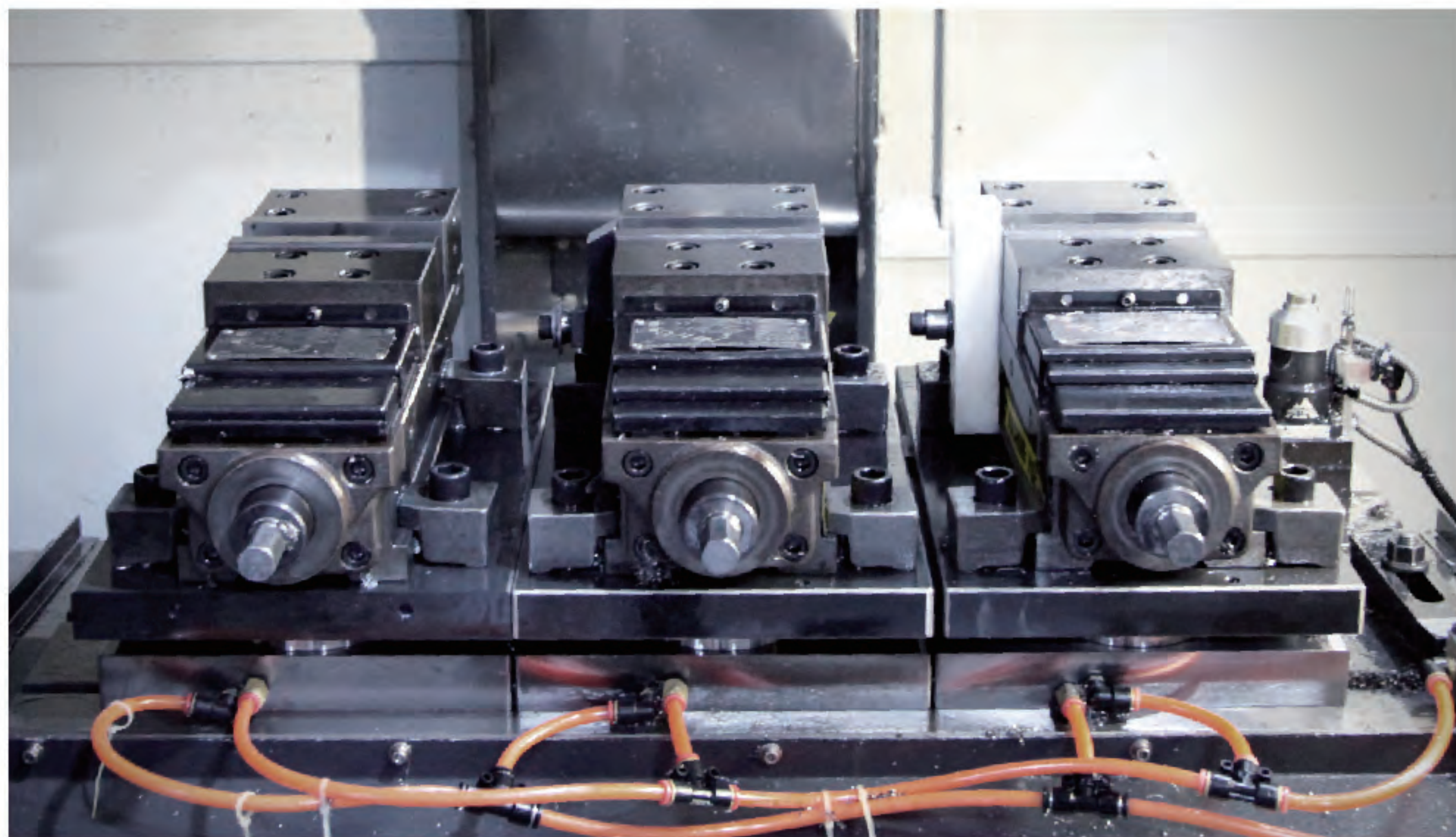
PRACTICAL EXAMPLE

QUICK CHANGE WORKHOLDING

實際使用範例

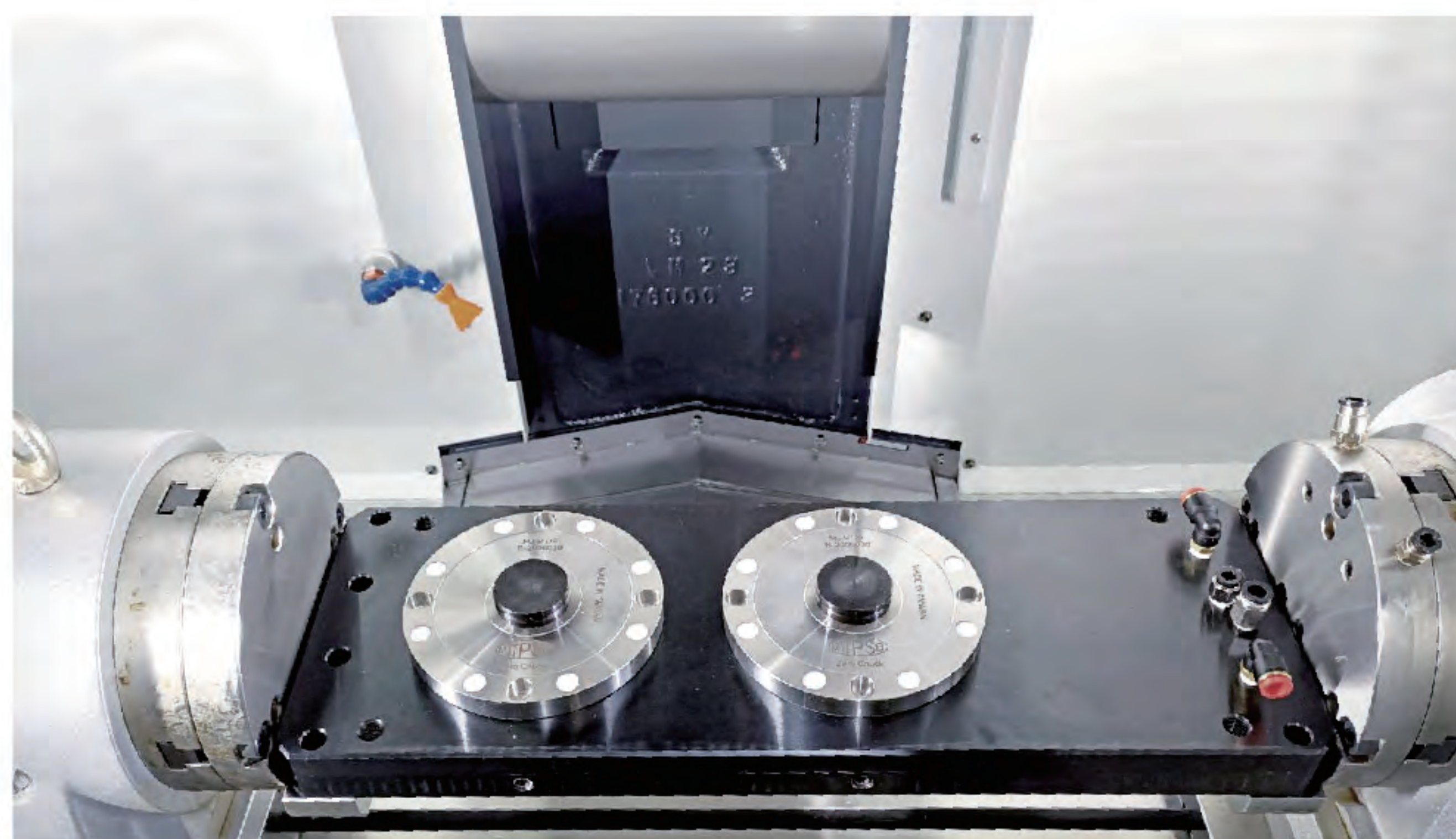
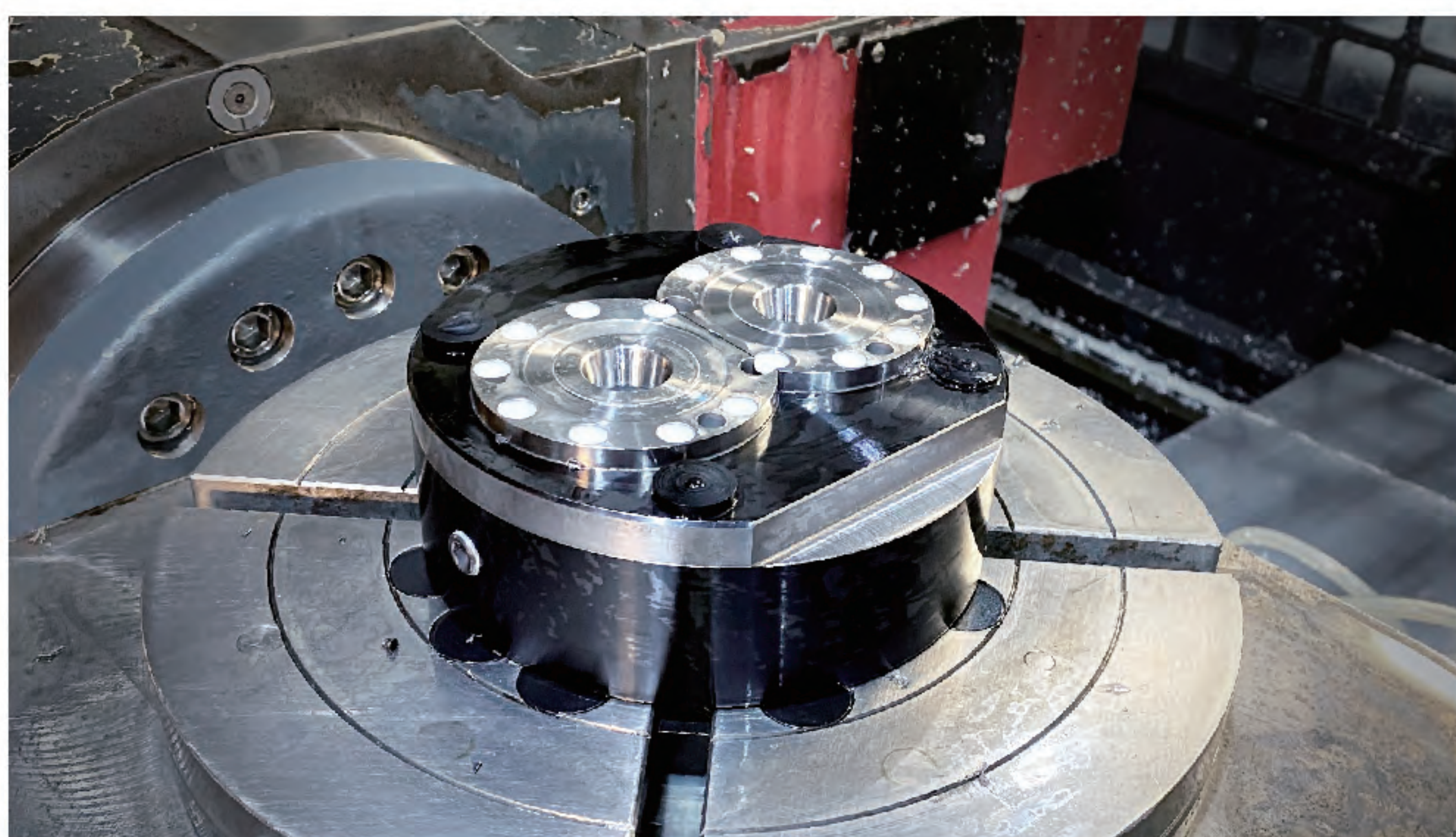
三軸平面應用

The application on the 3-axis milling working plate.



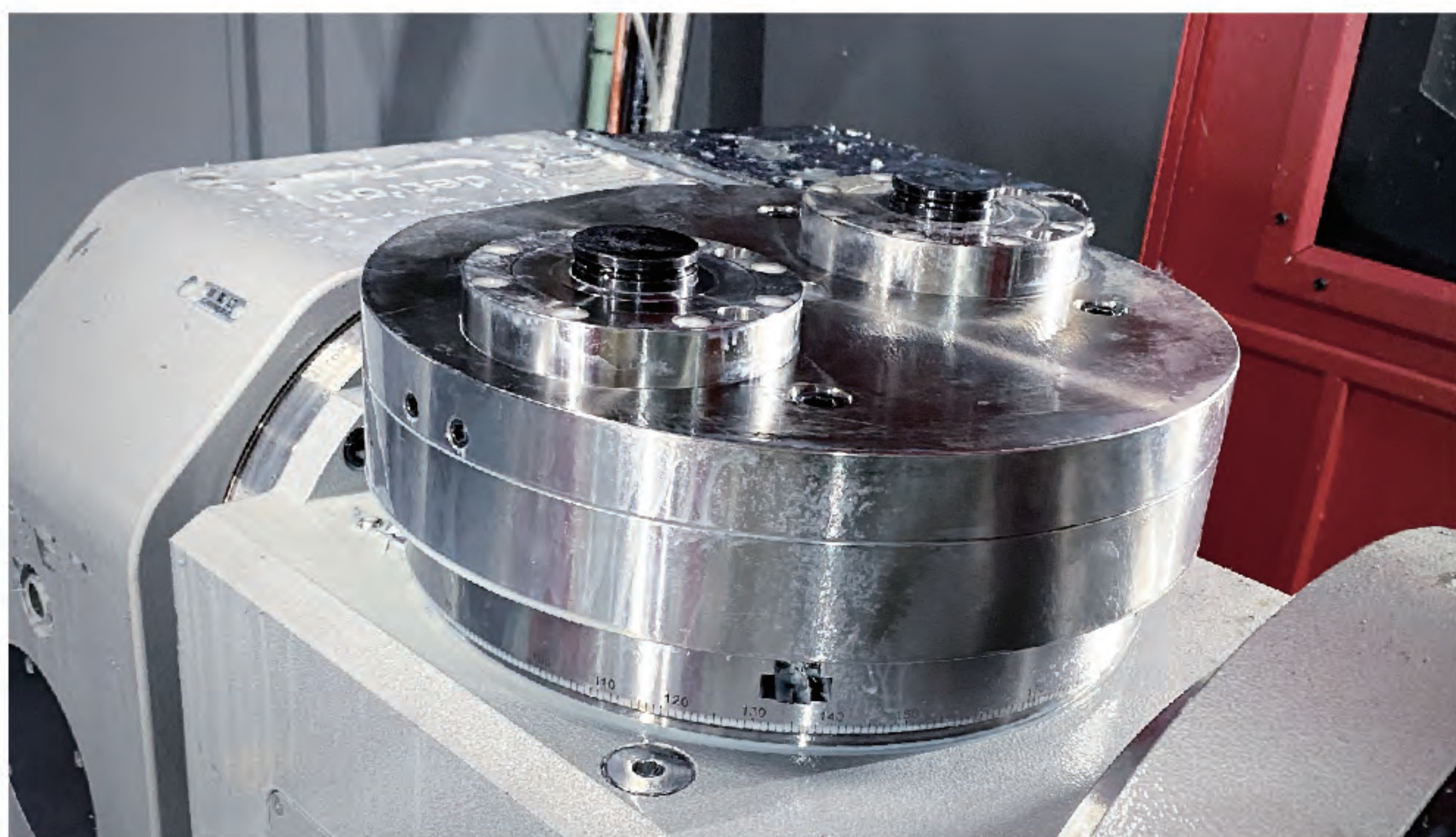
四軸應用

The application on the 4-axis milling working plate.



4+1軸應用

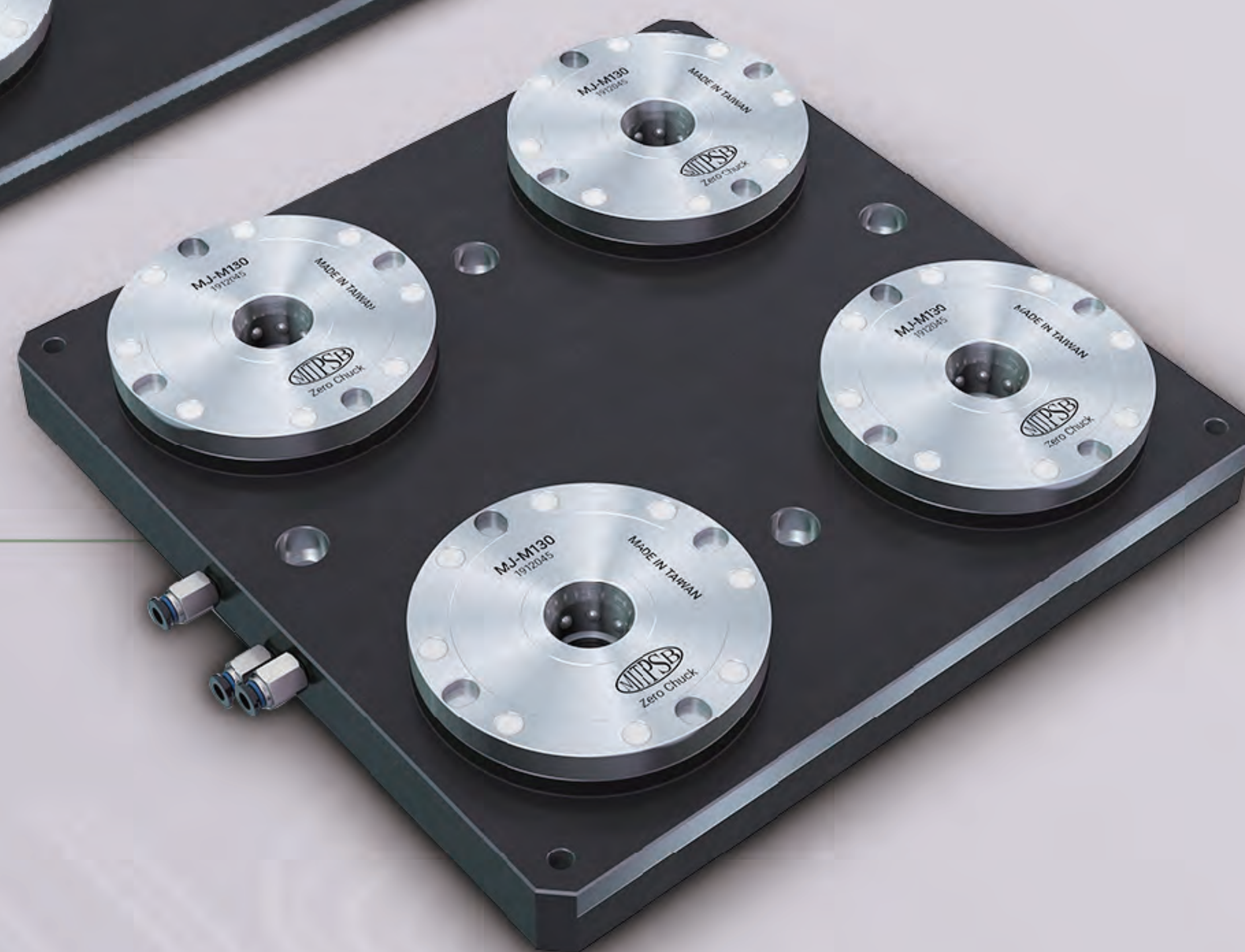
The application on the 4+1-axis milling working plate.





SINGLE KITS

MULTIPLE KITS



經銷商



YOUTUBE



WEB