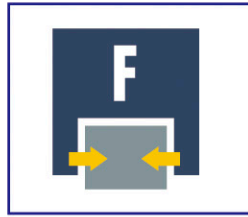


尺寸
Size
100 ~ 160



重量
Weight
1.2 ~ 4 KG



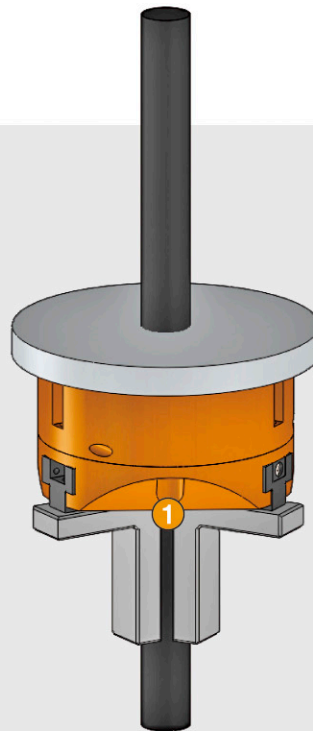
夾持力
Gripping force
1800 ~ 4500 N



單爪行程
Stroke per jaw
8 ~ 13 MM



適用工件重量
Recom. workpiece weight
9 ~ 22.5 KG



① RGH 通孔型三指定心夾爪
RGH 3-Jaw Concentric
Gripper with Hole

應用領域

- 通孔型三指定心夾爪，體積較小，提供了中間孔供工件通過。
- 適用於自動化夾持或自動化CNC加工。
- 通用款，搭配各式配件即可適用於特殊機械手臂環境。
- 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

- 堅固的T型導軌設計：確保精確夾持工件。
- 大型圓形活塞驅動設計：確保最大夾持力。
- 小巧尺寸：確保工作中有最低的干涉外形。
- 空氣供給，免管路直接連接或螺絲連接通道：
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。

RGH 系列簡介

- 工作原理：楔形鉤運動學
- 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 8573-1:644
- 保固：12個月
- 夾持力安全裝置：
搭配機械式外部SDV逆止閥。

RGH Series Introduction

- How it works: Wedge-hook kinematics
- 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 8573-1:644
- Warranty: 12 months.
- Gripping force safety device: with mechanical external SDV pressure safety valve.

Applications

- Pass through three designated heart jaws, smaller, provides for the workpiece through the middle hole.
- For automated clamping or automated CNC machining.
- GM models, with all kinds of accessories for special mechanical arm to the environment.
- Suitable for machine production or factory production, assembly and automation industry for a Clean Environment.

Your advantage

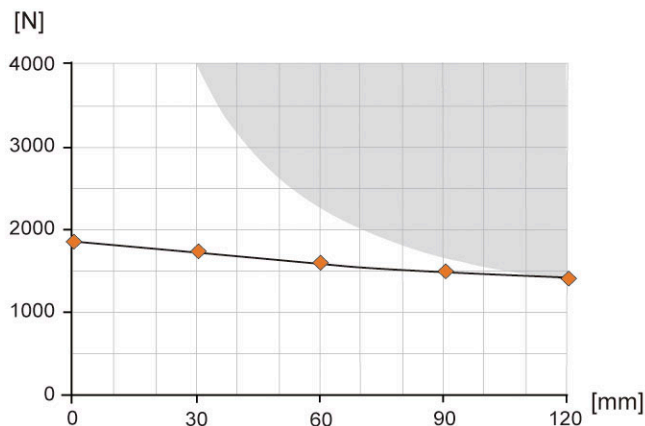
- Robust T-rail design: to ensure accurate clamping workpieces
- Large circular piston-driven design: to ensure maximum clamping force.
- Small size: Make sure there is a minimum of interference in the work of shape.
- Air supply piping free direct connection or screw connection channel: Ensure that all kinds of automation systems Jieke elasticity of supply of compressed air.
- Gripping force safety device: with mechanical external SDV pressure safety valve.



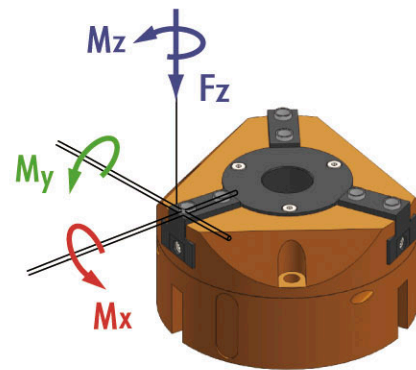
▶ RGH 100



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：會增加磨損及撕裂機會
Colored area: increased wear and tear to be expected



- Mx max. 60.0 Nm
- My max. 95.0 Nm
- Mz max. 55.0 Nm
- Fz max. 1500.0 N

技術資料 Technical data

| 型號 Model | RGH 100 | |
|--|-----------------|------------|
| 單爪行程 Stroke per jaw | mm | 8 |
| 關閉力 Closing force | N | 1800 |
| 開啓力 Opening force | N | 1760 |
| 重量 Weight | Kg | 1.2 |
| 建議工件重量 Recom. work piece weight | Kg | 9 |
| 雙行程氣耗量 Air consumption per double stroke | cm ³ | 95 |
| 最小/最大壓力 Min./max. operating pressure | bar | 3 / 8 |
| 額定工作壓力 Nominal operating pressure | bar | 6 |
| 關閉/開啓時間 Closing/opening time | s | 0.1 / 0.1 |
| 夾爪長度可允許 Max. permitted finger length | mm | 80 |
| 夾爪重量可允許 Max. permitted weight per finger | Kg | 0.6 |
| IP 等級 IP class | IP | 40 |
| 最小/最大室溫 Min./max. ambient temperature | °C | 5°C ~ 80°C |
| 重複精度 Repeatability | mm | 0.01 |

3-Jaw Concentric Gripper with Hole



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

■ 上圖為閉爪時的基本款, 不含選配物件尺寸。
 ■ The picture shows the basic models when closing, excluding optional object size.

背板供氣示意圖 Hose-free direct connection

3 O型環 O-Ring
 4 夾爪本體 Gripper

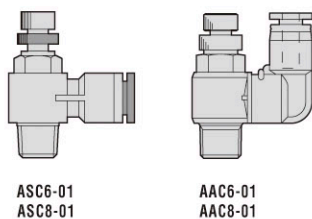
- 直接連結供氣口, 壓縮空氣直接供給夾爪使用, 無須外接管線, 可將壓力介質饋入安裝板上的內孔。
- Direct link air supply port, compressed air supplied directly to the jaws, no external piping, pressure medium can be fed into the hole on the mounting plate.

(無接觸式) 側邊感應器系統 (Non-contact) Side sensor system

| 型號 Model | 建議使用數量 Recom. number of use |
|----------|-----------------------------|
| IN80-M8 | 2 |

- (無接觸式)側邊終端位置監控: 夾爪行程感應器, 可直接由側邊安裝。
- 每個機械夾爪需要至少2個感應器(無接觸式)。
- (Non-contact) Side terminal position monitoring: Jaw stroke sensor can be installed directly from the sides.
- Each mechanical gripper needs at least two sensors (non-contact)

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.

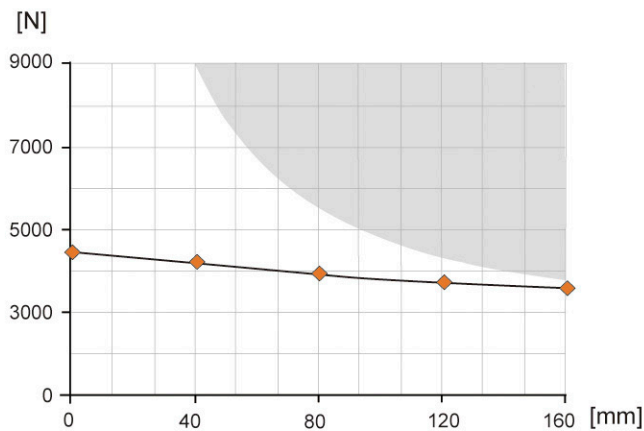
| 型號 Model | 型式 Description | 建議使用數量 Recom. number of use |
|----------|--|-----------------------------|
| ASC6-01 | 90度設計 Ø6管徑 90 degrees design ø6 diameter | 2 |
| ASC8-01 | 90度設計 Ø8管徑 90 degrees design ø8 diameter | 2 |
| AAC6-01 | 直通設計 Ø6管徑 Straight design ø6 diameter | 2 |
| AAC8-01 | 直通設計 Ø8管徑 Straight design ø8 diameter | 2 |

RGH 160



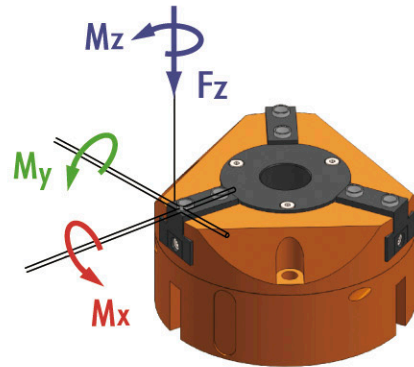
夾持力 Gripping force

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



顏色區域：會增加磨損及撕裂機會

Colored area: increased wear and tear to be expected



- Mx max. 115.0 Nm
- My max. 140.0 Nm
- Mz max. 95.0 Nm
- Fz max. 2700.0 N

技術資料 Technical data

| 型號 Model | RGH 160 | |
|--|-----------------|------------|
| 單爪行程 Stroke per jaw | mm | 13 |
| 關閉力 Closing force | N | 4500 |
| 開啓力 Opening force | N | 4380 |
| 重量 Weight | Kg | 4 |
| 建議工件重量 Recom. work piece weight | Kg | 22.5 |
| 雙行程氣耗量 Air consumption per double stroke | cm ³ | 360 |
| 最小/最大壓力 Min./max. operating pressure | bar | 3 / 8 |
| 額定工作壓力 Nominal operating pressure | bar | 6 |
| 關閉/開啓時間 Closing/opening time | s | 0.3 / 0.4 |
| 夾爪長度可允許 Max. permitted finger length | mm | 125 |
| 夾爪重量可允許 Max. permitted weight per finger | Kg | 1.8 |
| IP 等級 IP class | IP | 40 |
| 最小/最大室溫 Min./max. ambient temperature | °C | 5°C ~ 80°C |
| 重複精度 Repeatability | mm | 0.02 |

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

■ 上圖為閉爪時的基本款，不含選配物件尺寸。
 ■ The picture shows the basic models when closing, excluding optional object size.

背板供氣示意圖 Hose-free direct connection

1 夾爪本體 Gripper
 2 夾爪本體 Gripper
 3 O型環 O-Ring
 4 夾爪本體 Gripper

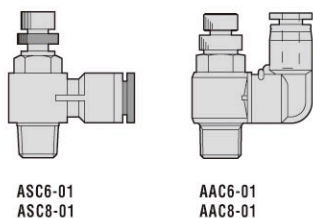
- 直接連結供氣口，壓縮空氣直接供給夾爪使用，無須外接管線，可將壓力介質饋入安裝板上的內孔。
- Direct link air supply port, compressed air supplied directly to the jaws, no external piping, pressure medium can be fed into the hole on the mounting plate.

(無接觸式)側邊感應器系統(Non-contact) Side sensor system

| 型號 Model | 建議使用數量 Recom. number of use |
|----------|-----------------------------|
| IN80-M8 | 2 |

- (無接觸式)側邊終端位置監控:夾爪行程感應器，可直接由側邊安裝。
- 每個機械夾爪需要至少2個感應器(無接觸式)。
- (Non-contact) Side terminal position monitoring: Jaw stroke sensor can be installed directly from the sides.
- Each mechanical gripper needs at least two sensors (non-contact)

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 |
|----------|--|-----------------------------|
| ASC6-01 | 90度設計 Ø6管徑 90 degrees design ø6 diameter | 2 |
| ASC8-01 | 90度設計 Ø8管徑 90 degrees design ø8 diameter | 2 |
| AAC6-01 | 直通設計 Ø6管徑 Straight design ø6 diameter | 2 |
| AAC8-01 | 直通設計 Ø8管徑 Straight design ø8 diameter | 2 |