

Parallel Gripper Single-acting type

Parallel Gripper for Single-acting Opening/Closing

⚠ Safety instructions for this product

Safety instructions, Common safety instructions for each product category and Detailed safety instructions for each product are in the end of this catalog and our website.

Model Designation (Example)

CHA10E
(1)

(1) Model No.

Code	Type	Body width (mm)	Countermeasure for lateral load	Stroke (mm)
CHA08	Single-acting	10	N/A	4
CHA10		14	N/A	6
CHA10E			E-shaped retaining ring	

Model Designation of Finger Attachment (Example)

CHK
(1)

10
(2)

(1) Finger Attachment for Parallel Gripper

(2) Applicable gripper model

Code	08	10
Applicable gripper model	CHA08	CHA10 (E)

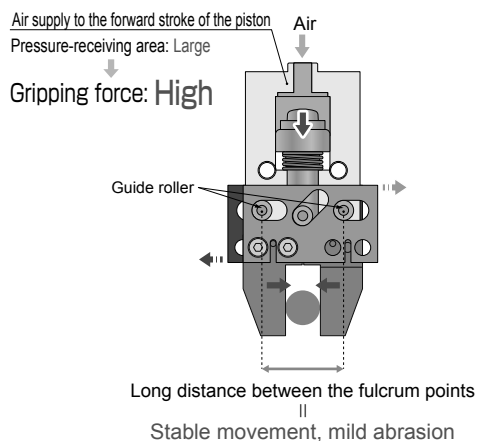
Characteristics

High precision and high gripping force.

Piston movement directly drives fingers which in turn allows for fewer moving parts.
This simple structure enables high precision. (Repeatability: ± 0.01 mm)
Air supply to the forward stroke of the piston generates high gripping force.

Uniquely Designed Roller Guide System.

The long distance between rollers enables smooth movement and gripping.
E type (with E-shaped retaining ring) which withstands lateral moment load is provided.



Various gripping styles with one body.

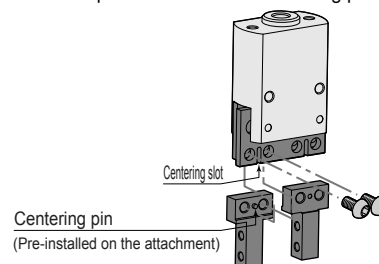
Various gripping action : inside, outside, by air or by spring force.

Gripping style			
Outside gripping		Inside gripping	
Gripping by air	Gripping by spring	Gripping by air	Gripping by spring

Finger attachments are available as option parts.

Mispositioning of finger attachment can be prevented.

Centering slot on finger helps to mount finger attachment repeatedly in the same position and to prevent deviation of mounting position.



Miniature body but long stroke.

The smallest body among 6 mm stroke grippers in the industry. (by in-house research)

10mm width model is the lightest in the industry.

A small gripper with secure gripping.

Commonization of N.O. and N.C., which was impossible for conventional single-acting type of grippers, has been realized.

Contributing to space-saving of equipment.

Single-acting, not requiring piping for the cylinder retraction, enables compact handling.

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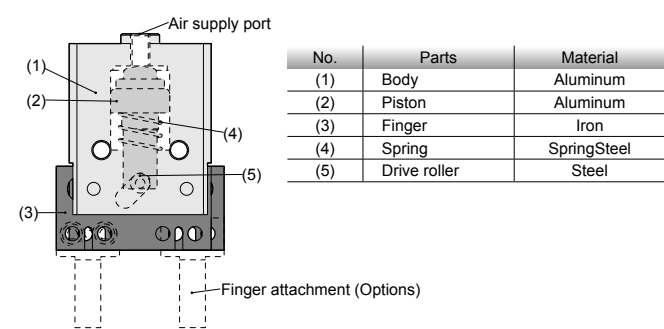
Specifications

Fluid medium	Filtered air (Limited to filtered compressed air)
Operating pressure range	0.3 to 0.5 MPa
Operating temp. range	5 to 50°C (No freezing)
Lubrication	Not required
Max. operating cycle	180cpm

Gripping force

Acting type	Model code	Effective gripping force (N)	
		Force by air	Force by spring
Single-acting	CHA08	4.2	1
	CHA10 (E)	7.2	1.3

Sectional drawing



RoHS2 (2011/65/EU+EU2015/863) compliant

Type	Model code	Type	Model code
Stroke 4mm CHA	CHA08	Stroke 6mm CHA	CHA10(E)
Finger Attachment (option parts)			
Type	Model code	Type	Model code
For 4 mm stroke CHK	CHK08	For 6 mm stroke CHK	CHK10

CAD data is available at PISCO website.

Packaging specifications
1 pc./bag
1 set/bag: Finger attachment