

Opening Gripper Series

Normally Closed, Single-acting Angular Gripper

⚠ 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)

CHM (1)	08 (2)	B (3)	A (4)	06 (5)	H (6)
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(1) Angular gripper







(2) Cylinder dia.

Code	08	11
Cylinder dia. (mm)	ø8	ø11

(3) Gripper action

B : Single-acting opening gripper (normally closed)

(4) Holder type

A	B	C	D	E	F
Shank type	Panel mount type	Panel mount type w/ floating mechanism Fingers in parallel	Panel mount type w/ floating mechanism Fingers at right angle	Block type w/ floating mechanism Fingers in parallel	Block type w/ floating mechanism Fingers at right angle
					

(5) Finger size (See the table below and select the most suitable type and size for your work)

■ Finger type: H (work with round hole)

Code	02	03	04	06	08	10	12
Hole dia.(mm)	ø2 to ø3	ø3 to ø4	ø4 to ø6	ø6 to ø8	ø8 to ø10	ø10 to ø12	ø12 to ø14

■ Finger type: C (work with groove hole)

Code	03	05	06	07	08	10	12
Hole dia.(mm)	3 to 5	5 to 7	6 to 8	7 to 9	8 to 10	10 to 12	12 to 14

(6) Finger type

Code	H	C
Type	Work with round hole	Work with groove hole

Characteristics

■ No dedicated fingers are necessary for works in simple shapes.

■ Stable gripping is assured by a work stopper.

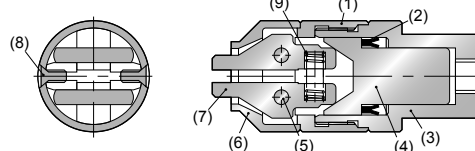
The holder with floating mechanism makes more effective use of the work stopper and prevents damage due to bumping.

Specifications

Cylinder dia.	ø8 mm	ø11 mm
Gripping force at 0.5 MPa, fingers in parallel	0.08 N·m	0.20 N·m
Operating pressure range	0.2 to 0.7 MPa	
Operating temp. range	0 to 60°C (No freezing)	
Lubrication	Not required	
Air supply port type & size	Metric female thread·M5x0.8	

Sectional drawing

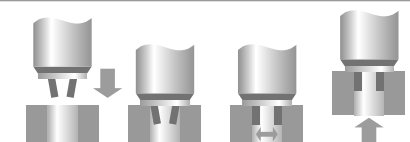
Shank type: CHM□BA□□









No.	Parts	Material
(1)	Body A	Stainless steel
(2)	Y packing	NBR/Nitrile rubber
(3)	Body B	Stainless steel
(4)	Piston cam	Stainless steel
(5)	Shaft	SUJ2
(6)	Stopper	Stainless steel
(7)	Finger	Stainless steel
(8)	Stopper screw	Stainless steel
(9)	Return spring	Piano wire

Example use of work stopper

Stable work transfer is possible by pressing the work against the work stopper and having the work firmly gripped. In addition, light press-fitting can be performed directly as it is. When the cylinder thrust is too large or unstable, use of the floating type holder will facilitate stable gripping.



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

Type	Model code	Type	Model code	Type	Model code
Shank type CHM  No copper-based metallic material used in flow paths.	CHM08BA03C	Panel mount type CHM 	CHM08BB03C	Panel mount type w/ floating mechanism CHM Fingers in parallel 	CHM08BC03C
	CHM08BA05C		CHM08BB05C		CHM08BC05C
	CHM08BA07C		CHM08BB07C		CHM08BC07C
	CHM08BA02H		CHM08BB02H		CHM08BC02H
	CHM08BA03H		CHM08BB03H		CHM08BC03H
	CHM08BA04H		CHM08BB04H		CHM08BC04H
	CHM08BA06H		CHM08BB06H		CHM08BC06H
	CHM08BA08H		CHM08BB08H		CHM08BC08H
	CHM11BA06C		CHM11BB06C		CHM11BC06C
	CHM11BA08C		CHM11BB08C		CHM11BC08C
	CHM11BA10C		CHM11BB10C		CHM11BC10C
	CHM11BA12C		CHM11BB12C		CHM11BC12C
	CHM11BA06H		CHM11BB06H		CHM11BC06H
	CHM11BA08H		CHM11BB08H		CHM11BC08H
	CHM11BA10H		CHM11BB10H		CHM11BC10H
	CHM11BA12H		CHM11BB12H		CHM11BC12H
Type	Model code	Type	Model code	Type	Model code
Panel mount type w/ floating mechanism Fingers at right angle CHM 	CHM08BD03C	Block type w/ floating mechanism Fingers in parallel CHM 	CHM08BE03C	Block type w/ floating mechanism Fingers at right angle CHM 	CHM08BF03C
	CHM08BD05C		CHM08BE05C		CHM08BF05C
	CHM08BD07C		CHM08BE07C		CHM08BF07C
	CHM08BD02H		CHM08BE02H		CHM08BF02H
	CHM08BD03H		CHM08BE03H		CHM08BF03H
	CHM08BD04H		CHM08BE04H		CHM08BF04H
	CHM08BD06H		CHM08BE06H		CHM08BF06H
	CHM08BD08H		CHM08BE08H		CHM08BF08H
	CHM11BD06C		CHM11BE06C		CHM11BF06C
	CHM11BD08C		CHM11BE08C		CHM11BF08C
	CHM11BD10C		CHM11BE10C		CHM11BF10C
	CHM11BD12C		CHM11BE12C		CHM11BF12C
	CHM11BD06H		CHM11BE06H		CHM11BF06H
	CHM11BD08H		CHM11BE08H		CHM11BF08H
	CHM11BD10H		CHM11BE10H		CHM11BF10H
	CHM11BD12H		CHM11BE12H		CHM11BF12H



CAD data is available at PISCO website.



Packaging specifications
1 pc./bag