

Closing Gripper Series

Normally Open, 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) **A** (3) **A** (4) **K** (5)

(1) Angular gripper

(2) Cylinder dia.

Code	08	11
Cylinder dia. (mm)	ø8	ø11

(3) Gripper action

A: Single-acting closing gripper (normally open)

(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 type

Code	K	S
Type	R-guide single screw installation type (option parts: finger blank) *	2-screw installation type (flat back surface)

*Work stopper is equipped. Detach it if not necessary.

Finger Blank Model Designation (Example)

CHM (1) **08** (2) **AK** (3) **11** (4)

(1) Angular Gripper

(2) Cylinder dia.

Code	08	11
Cylinder dia. (mm)	ø8	ø11

(3) Gripper action and finger type

AK: Single-acting closing gripper (normally open) R-guide single screw installation type

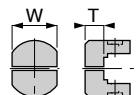
(4) Size

■ Cylinder dia.: 8 mm

Code	With slot	11	12	13	14	15	16
Without slot	01	02	03	04	05	06	
W×T Size (mm)	6×5	6×10	12×5	12×10	16×5	16×10	

■ Cylinder dia.: 11 mm

Code	With slot	11	12	13	14
Without slot	01	02	03	04	
W×T Size (mm)	8×6	8×12	16×6	16×12	



Characteristics

Finger blank is available as option for the K type finger.

R-guide leaves no possibility of misalignment. The finger blank can be attached to the K type finger with a single screw.

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. (Finger type: K)



*Process the finger blank to shape to your work.

Example of mounting finger blank

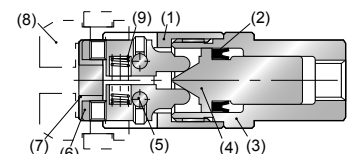
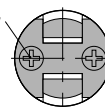
Specifications

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□AAK

Stopper screw



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)	Finger	Stainless steel
(7)	Stopper	Stainless steel
(8)	Finger blank (Option)	Special stainless steel
(9)	Return spring	Piano wire

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

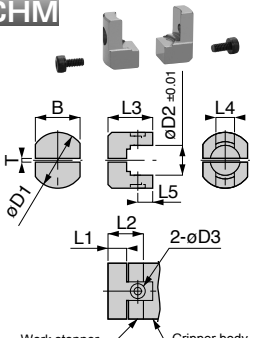
Finger type: Single screw installation

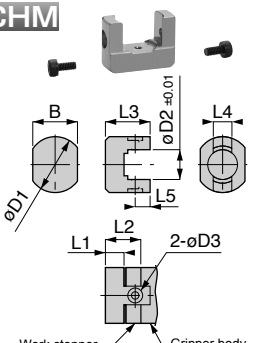
Type	Model code	Type	Model code	Type	Model code
Shank type CHM	CHM08AAK CHM11AAK	Panel mount type CHM	CHM08ABK CHM11ABK	Panel mount type w/ floating mechanism Fingers in parallel CHM	CHM08ACK CHM11ACK
	No copper-based metallic material used in flow paths.				
Type	Model code	Type	Model code	Type	Model code
Panel mount type w/ floating mechanism Fingers at right angle CHM	CHM08ADK CHM11ADK	Block type w/ floating mechanism Fingers in parallel CHM	CHM08AEK CHM11AEK	Block type w/ floating mechanism Fingers at right angle CHM	CHM08AFK CHM11AFK
					

Finger type: 2-screw installation

Type	Model code	Type	Model code
Shank type CHM	CHM08AAS CHM11AAS	Panel mount type CHM	CHM08ABS CHM11ABS
	No copper-based metallic material used in flow paths.		

Finger Blank (Finger type: Single screw installation)

Type	Model code	B	øD1	øD2	øD3	T	L1	L2	L3	L4	Set screw (supplied)	Applicable gripper
Finger Blank CHM 	CHM08AK11	6	15	10	2.1	1	5	8	11.5	4.8	Hex Socket Head Cap Screws M2×4ℓ 2 pcs.	CHM08A□ K Type
	CHM08AK12						10	13	16.5			
	CHM08AK13	12					5	8	11.5			
	CHM08AK14						10	13	16.5			
	CHM08AK15	16					5	8	11.5			
	CHM08AK16						10	13	16.5			
	CHM11AK11	8	20	13	2.6	2	6	10	14	6.8	Hex Socket Head Cap Screws M2.5×5ℓ 2 pcs.	CHM11A□ K Type
	CHM11AK12						12	16	20			
	CHM11AK13	16					6	10	14			
	CHM11AK14						12	16	20			

Type	Model code	B	øD1	øD2	øD3	T	L1	L2	L3	L4	Set screw (supplied)	Applicable gripper
Slotless solid Finger Blank CHM 	CHM08AK01	6	15	10	2.1	—	5	8	11.5	4.8	Hex Socket Head Cap Screws M2×4ℓ 2 pcs.	CHM08A□ K Type
	CHM08AK02						10	13	16.5			
	CHM08AK03	12					5	8	11.5			
	CHM08AK04						10	13	16.5			
	CHM08AK05	16					5	8	11.5			
	CHM08AK06						10	13	16.5			
	CHM11AK01	8	20	13	2.6	—	6	10	14	6.8	Hex Socket Head Cap Screws M2.5×5ℓ 2 pcs.	CHM11A□ K Type
	CHM11AK02						12	16	20			
	CHM11AK03	16					6	10	14			
	CHM11AK04						12	16	20			