

Stainless Steel Miniaturesize Grippers

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Dwsdqm` kF qo o hmf S xod



- ☐ Finger blanks are available for the K finger models as option.
No misalignment is caused because of R alignment.
- ☐ Work stopper can be taken out in case it is not needed
- ☐ Nitriding proves effective if the wear of the fingers is to be prevented.

Finger material: Ferritic Stainless Steel (Cr: 19 ~ 21%, Mo: 1.5 ~ 2.5%)

Angular Gripper single acting External Gripping

Model designation (Example)

CHM ① **08** ② **A** ③ **A** ④ **K** ⑤

⑤. Finger type

Code	Finger type
K	R-alignment single screw installation type (finger blanks can be installed on the models) ❖ Work stopper is provided as a standard feature. Remove it if it is not needed
S	Two screw installation type (No work stopper comes with the models)

④. Mounting type

Code	A	B	C	D	E	F
Mounting Type	Shank	Panel Mount	Panel Mount with Stroke	Panel Mount with Stroke	Screw Mount with Stroke	Screw Mount with Stroke
Fingers Direction	—		Parallel	Right angle	Parallel	Right angle
Fingers type	K type, S type		K type			

③. Action

Code	A
Action	Single acting

②. Cylinder dia.

Code	08	11
Cylinder dia. (mm)	ø08	ø11

①. Angular gripper

Finger Blanks for K models : Model designation (example)

CHM ① **08** ② **AK** ③ **12** ④

④. Size

		8mm Cylinder bore		11mm Cylinder bore	
Code		Splitted	No split	Splitted	No split
WXT (mm)		6×5	6×10	12×5	12×10
WXT (mm)		8×6	8×12	16×6	16×12

③. Finger blanks

Code	AK
Type	R alignment single screw installation

②. Cylinder dia.

Code	08	11
Cylinder dia. (mm)	ø08	ø11

①. Lever Gripper

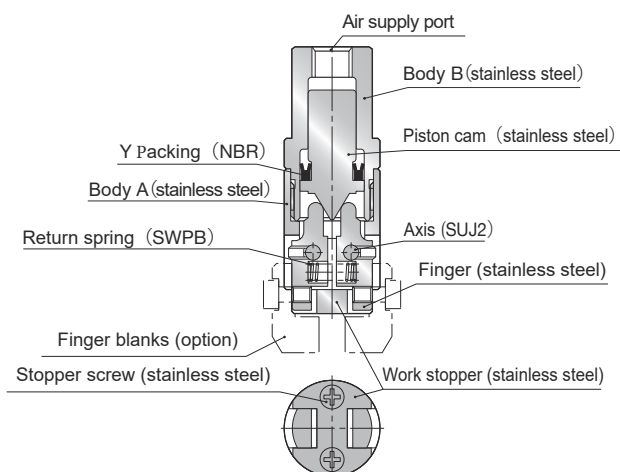
Specification

Cylinder bore	ø 8mm (0.31in.)	ø 11mm (0.43in.)
Moment ※(72.5psi -fingers in parallel)	0.059lbf (0.08N·m)	0.148lbf (0.20N·m)
Operating pressure range	29~102psi (0.2~0.7MPa)	
Operating temp. range	32~140°F (0~60°C) (No freezing)	
Luburication	Not required	

※Moment at the tip of fingers by making the axis as a starting point

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Construction

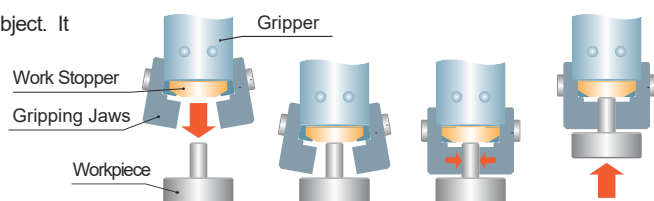


How to use Work Stopper (example)

- Pressing a workpiece to the work stopper makes more stable conveyance object. It can be used for press-in work as it is.

※Please refer to the chart below about press-in force

Cylinder bore (mm)	Press-in force (N)
ø8	900 or below
ø11	1,000 or below



- Thrust of cylinder or alike is too big or unstable, grippers with stroke is recommended to secure stable gripping.

Safety Instruction

Be sure to read the Common Safety Instructions before using PISCO products.

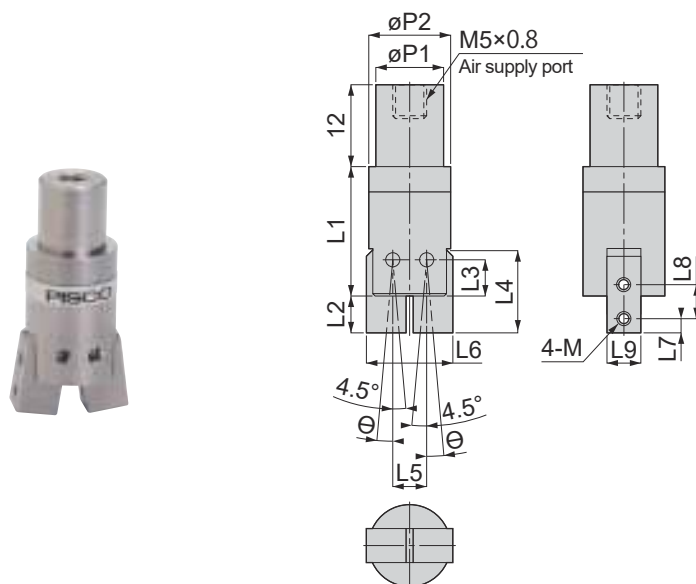


Angular Gripper single acting External Gripping

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Dimensions

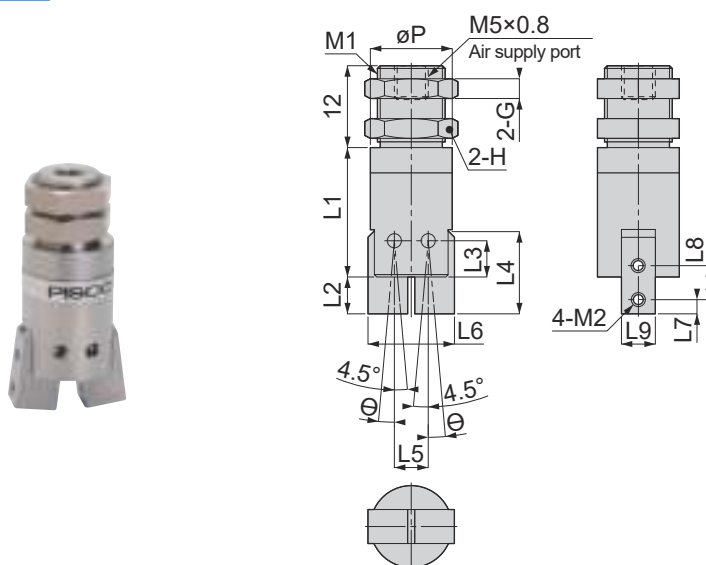
CHM□AAS Shank/Finger type : S



Unit : mm

Model	M	L1	L2	L3	L4	L5	L6	L7	L8	L9	$\phi P1$	$\phi P2$	Θ	Mass (g)	Price (\$)
CHM08AAS	M2x0.4	19.5	5.5	5	12	5	13	2.5	5	5	10h7 $^{0}_{-0.015}$	12	10°	22	76.30
CHM11AAS	M2.5x0.45	23.5	7	5.5	14	6	17	3	6	7	12h7 $^{0}_{-0.018}$	16	8°	43	88.18

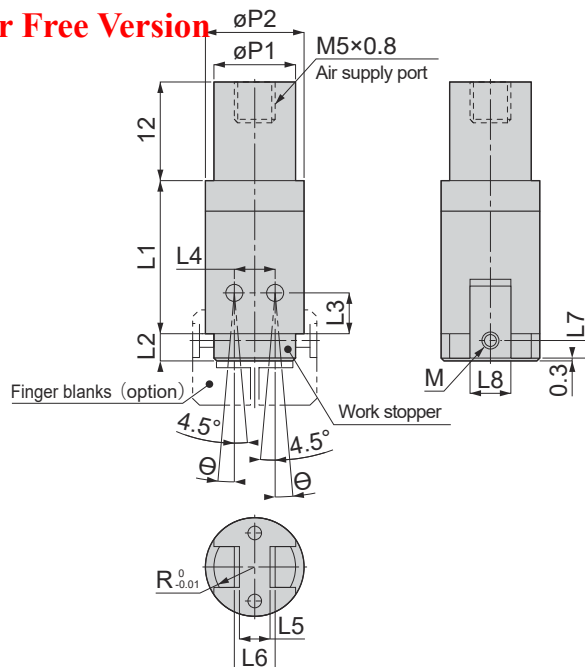
CHM□ABS Panel Mount / Finger type : S



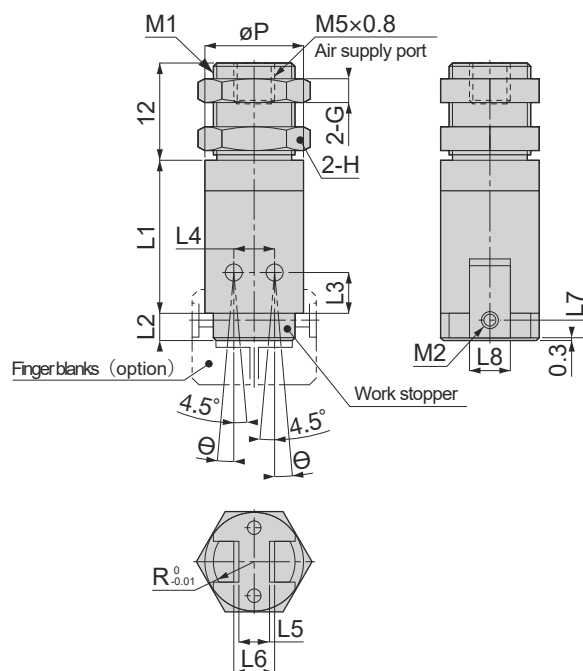
Unit : mm

Model	M1	M2	L1	L2	L3	L4	L5	L6	L7	L8	L9	ϕP	Θ	Hex. H	G	Mass (g)	Price (\$)
CHM08ABS	M10x1	M2x0.4	19.5	5.5	5	12	5	13	2.5	5	5	12	10°	12	3	24	79.89
CHM11ABS	M12x1	M2.5x0.45	23.5	7	5.5	14	6	17	3	6	7	16	8°	14	4	46	92.54

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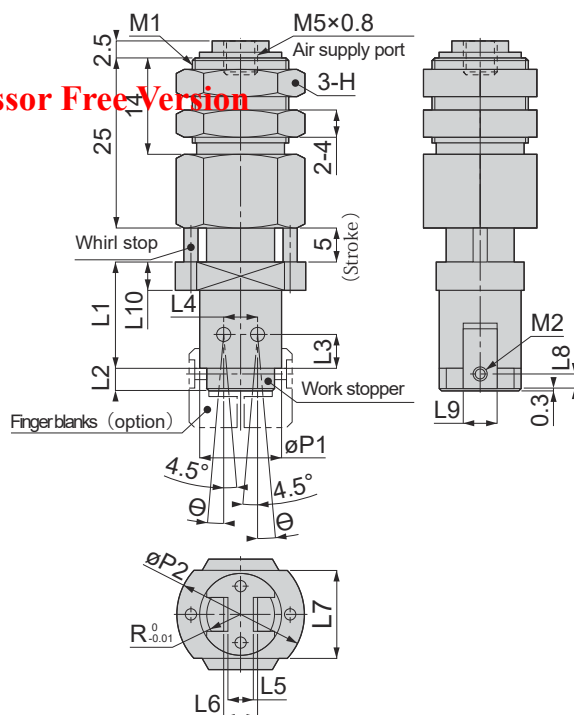


Model	M	R	L1	L2	L3	L4	L5	L6	L7	L8	$\varnothing P1$	$\varnothing P2$	Θ	Mass (g)	Price (\$)
CHM08AAK	M2×0.4	R5	19.5	3	5	5	4	5	2	5	10h7 _{-0.015} ⁰	12	10°	22	75.45
CHM11AAK	M2.5×0.45	R6.5	23.5	4	5.5	6	4.5	6	2.5	7	12h7 _{-0.018} ⁰	16	8°	41	88.18



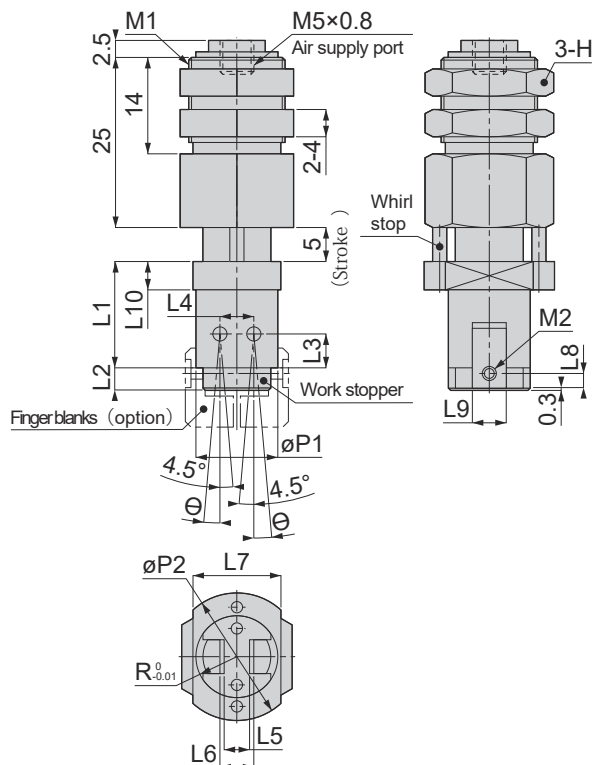
Model	M1	M2	R	L1	L2	L3	L4	L5	L6	L7	L8	øP	Θ	Hex. H	G	Mass (g)	Price (\$)
CHM08ABK	M10×1	M2×0.4	R5	19.5	3	5	5	4	5	2	5	12	10°	12	3	22	79.09
CHM11ABK	M12×1	M2.5×0.45	R6.5	23.5	4	5.5	6	4.5	6	2.5	7	16	8°	14	4	44	91.82

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Unit : mm

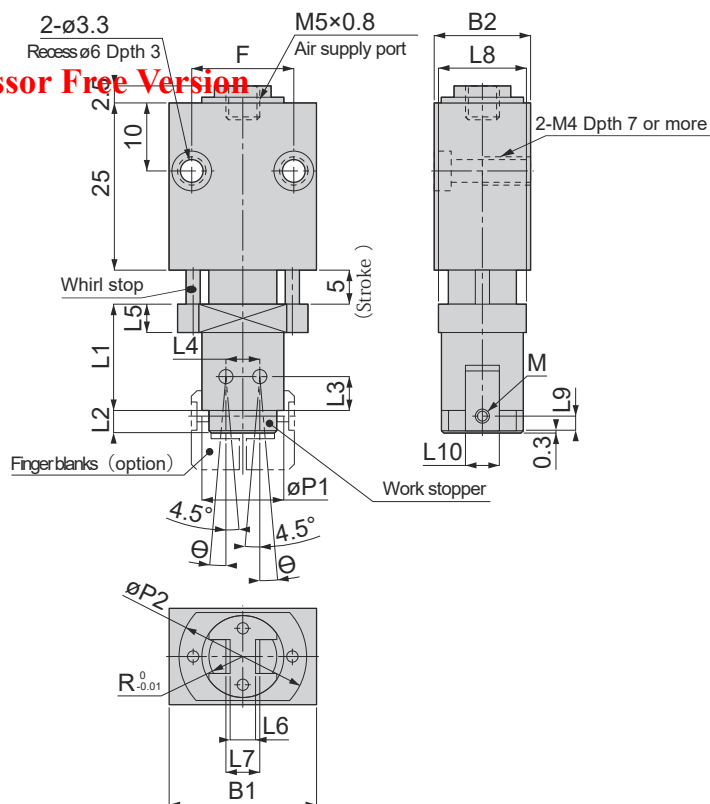
Model	M1	M2	R	L1	L2	L3	L4	L5	L6	L7	L8	L9	L10	$\phi P1$	$\phi P2$	θ	Hex. H	Mass (g)	Price (\$)
CHM08ACK	M14×1	M2×0.4	R5	15.5	3	5	5	4	5	13	2	5	4	12	19	10°	17	58	109.09
CHM11ACK	M18×1	M2.5×0.45	R6.5	18.5	4	5.5	6	4.5	6	17	2.5	7	5	16	24	8°	22	105	131.82



Unit : mm

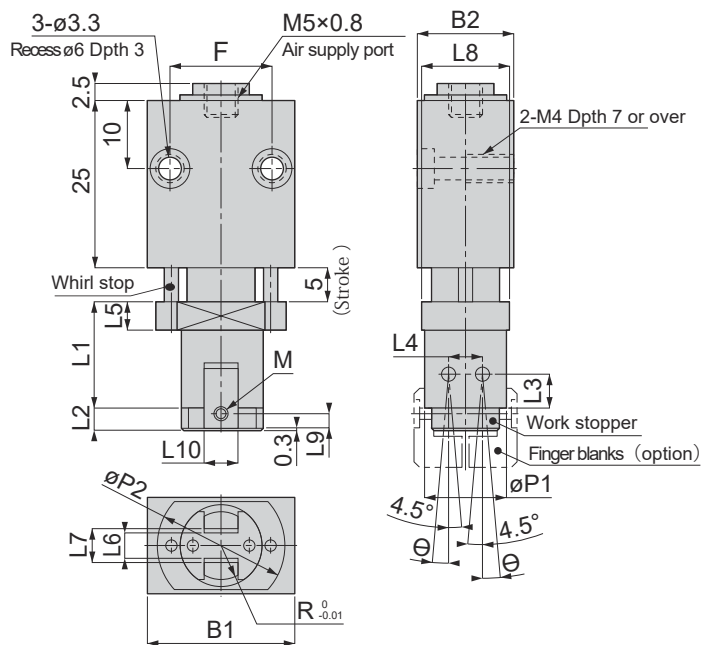
Model	M1	M2	R	L1	L2	L3	L4	L5	L6	L7	L8	L9	L10	$\phi P1$	$\phi P2$	θ	Hex. H	Mass (g)	Price (\$)
CHM08ADK	M14×1	M2×0.4	R5	15.5	3	5	5	4	5	13	2	5	4	12	19	10°	17	58	109.09
CHM11ADK	M18×1	M2.5×0.45	R6.5	18.5	4	5.5	6	4.5	6	17	2.5	7	5	16	24	8°	22	105	131.82

CHM **AEK** Screw Mount with Stroke / Finger direction : Parallel / Finger type : K



Model	M	R	B1	B2	L1	L2	L3	L4	L5	L6	L7	L8	L9	L10	øP1	øP2	θ	F	Mass (g)	Price (\$)
CHM08AEK	M2×0.4	R5	22	14	15.5	3	5	5	4	4	5	13	2	5	12	19	10°	15	73	120.91
CHM11AEK	M2.5×0.45	R6.5	25	18	18.5	4	5.5	6	5	4.5	6	17	2.5	7	16	24	8°	18	117	142.73

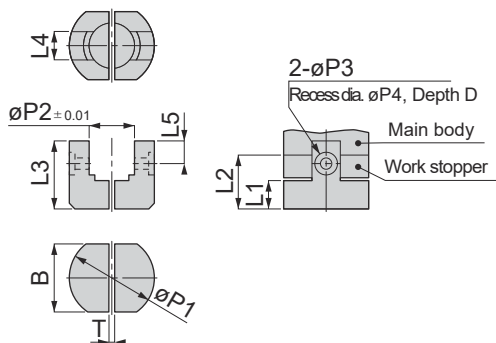
CHM ☐ **AFK** Screw Mount with Stroke / Finger direction : Right angle / Finger type : K



Model	M	R	B1	B2	L1	L2	L3	L4	L5	L6	L7	L8	L9	L10	øP1	øP2	θ	F	Mass (g)	Price (\$)
CHM08AFK	M2×0.4	R5	22	14	15.5	3	5	5	4	4	5	13	2	5	12	19	10°	15	73	120.91
CHM11AFK	M2.5×0.45	R6.5	25	18	18.5	4	5.5	6	5	4.5	6	17	2.5	7	16	24	8°	18	117	142.73

Finger Blanks for K-models : Dimensions

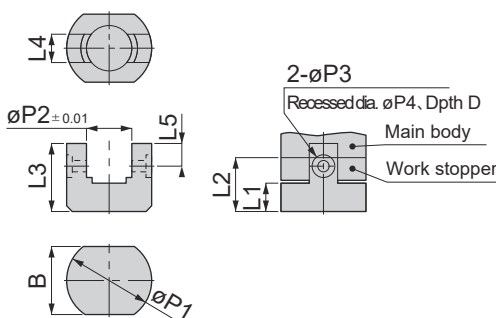
CHM AK SPlitted



Unit : mm

Model	B	L1	L2	L3	L4	L5	T	øP1	øP2	øP3	øP4	D	Mounting screw (attached)	Applicable Gripper Model	Mass (g)	Price (\$)
CHM08AK11	6	5	8	11.5	5	4	1	15	10	2.1	4	0.9	Socket Cap Screw M2×4ℓ 2 pcs.	CHM08A4K	4	22.73
CHM08AK12		10	13	16.5											7	22.73
CHM08AK13	12	5	8	11.5											6.5	22.73
CHM08AK14		10	13	16.5											12	22.73
CHM08AK15	16	5	8	11.5				20				3.4			12	25.45
CHM08AK16		10	13	16.5											22	25.45
CHM11AK11	8	6	10	14.5	7	5.5	2	20	13	2.6	5	1.75	Socket Cap Screw M2.5×5ℓ 2 pcs.	CHM11A4K	8	25.45
CHM11AK12		12	16	20.5											15	25.45
CHM11AK13	16	6	10	14.5											13	25.45
CHM11AK14		12	16	20.5											24	25.45

CHM ☐ **AK** ☐ No split



Unit : mm

Model	B	L1	L2	L3	L4	L5	øP1	øP2	øP3	øP4	D	Mounting screw (attached)	Applicable Gripper Model	Mass (g)	Price (\$)
CHM08AK01	6	5	8	11.5	5	4	15	10	2.1	4	0.9	Socket Cap Screw M2×4ℓ 2 pcs.	CHM08A4K	4.5	21.82
CHM08AK02		10	13	16.5										7.5	21.82
CHM08AK03	12	5	8	11.5										7	21.82
CHM08AK04		10	13	16.5										13	21.82
CHM08AK05	16	5	8	11.5		20	13							24.55	
CHM08AK06		10	13	16.5			23							24.55	
CHM11AK01	8	6	10	14.5	7	5.5	20	13	2.6	5	1.75	Socket Cap Screw M2.5×5ℓ 2 pcs.	CHM11A4K	8.5	24.55
CHM11AK02		12	16	20.5										16	24.55
CHM11AK03	16	6	10	14.5										14	24.55
CHM11AK04		12	16	20.5										29	24.55