

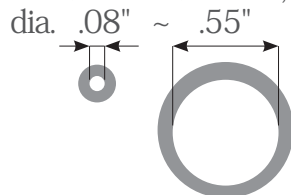
# Stainless Steel Miniaturesize Grippers

## Internal Gripping Type

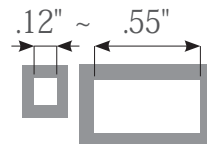


- Finger blanks are not needed for gripping simple shaped workpiece.
- Ideal for gripping a workpiece with a circular hole or with a groove

Circular hole :  $\varnothing 2\text{mm} \sim \varnothing 14\text{mm}$ ,



Groove :  $3\text{mm} \sim 14\text{mm}$  gripping and conveyance



# Angular Gripper single acting Internal Gripping

Model Designation (example)

**CHM** ① **08** ② **B** ③ **A** ④ **06** ⑤ **H** ⑥

⑥. Finger Shape

Code	Finger Shape
<b>H</b>	For Circular Hole
<b>C</b>	For Groove

⑤. Finger Size

■ For Circular Hole : H type

Code	02	03	04	06	08	10	12
Hole dia. (mm)	ø2~3	ø3~4	ø4~6	ø6~8	ø8~10	ø10~12	ø12~14
Hole dia. (inch)	ø.08~.12	ø.12~.16	ø.16~.23	ø.24~.31	ø.32~.39	ø.39~.47	ø.47~.55

■ For Groove : C type

Code	03	05	06	07	08	10	12
Groove width (mm)	3~5	5~7	6~8	7~9	8~10	10~12	12~14
Groove width (inch)	.12~.2	.2~.27	.24~.31	.28~.35	.32~.39	.39~.47	.47~.55

④. Mounting T type

Code	A	B	C	D	E	F
MountingType	Shank	Panel Mount	Panel Mount with Stroke	Panel Mount with Stroke	Screw Mount with Stroke	Screw Mount with Stroke
Finger direction	—	—	Parallel	Right angle	Parallel	Right angle

③. Action

Code	B
Action	Single acting

②. Cylinder dia.

Code	08	11
Cylinder dia. (mm)	ø08	ø11

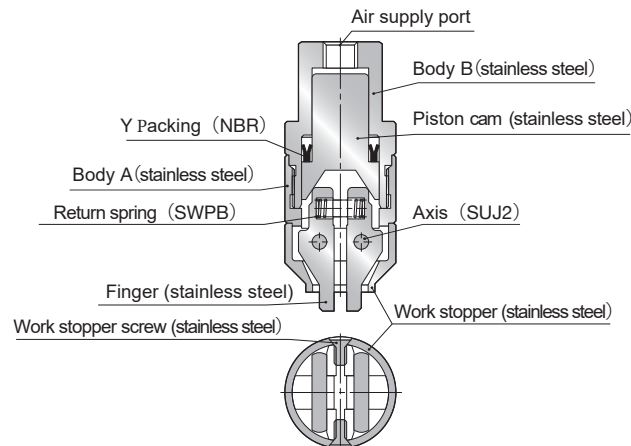
①. Angular Gripper

## 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)	
Lubrication	Not required	

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

## Construction











# Internal Gripping

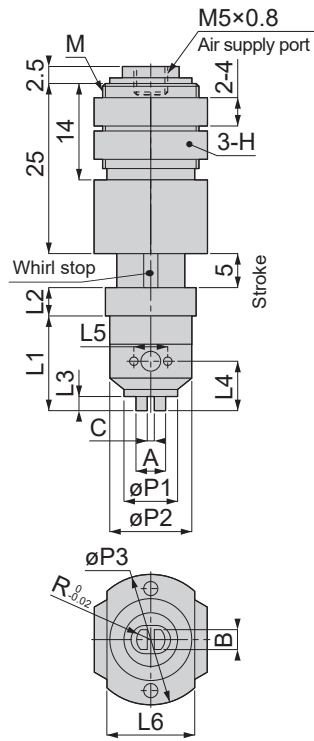
CHM  BD

P

M

S

:

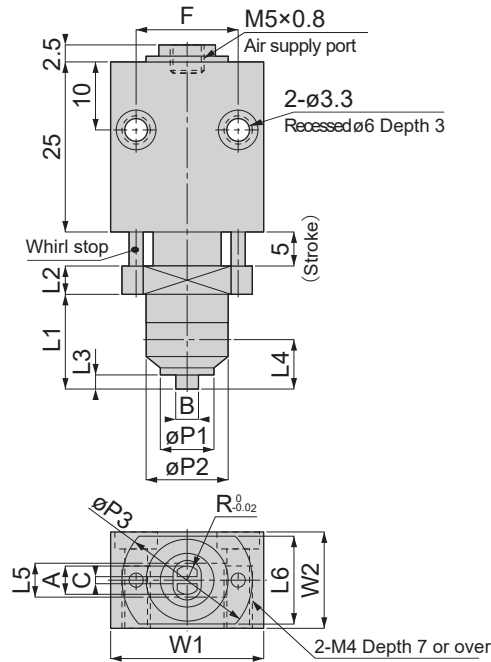


Unit : mm

Model	Workpiece	M	R	A	B	L1	L2	L3	L4	L5	L6	øP1	øP2	øP3	C	Hex. H	Mass (g)	Price (\$)					
CHM08BD03C	Groove width 3~5	M14×1	-	3	3	14	4	2	7.5	5	13	8	12	19	0.5	17	49	104.55					
CHM08BD05C	Groove width 5~7			5	4			3				10						104.55					
CHM08BD07C	Groove width 7~9			7	4			4				12						104.55					
CHM08BD02H	Hole dia. ø2~3			R1	2			1.6				5						12	19	0.5	17	49	104.55
CHM08BD03H	Hole dia. ø3~4	R1.5	3	2	6	12	19	1	17	49	104.55												
CHM08BD04H	Hole dia. ø4~6	R2	4	3	8	12	19	1	17	49	104.55												
CHM08BD06H	Hole dia. ø6~8	R3	6	4	10	12	19	1	17	49	104.55												
CHM08BD08H	Hole dia. ø8~10	R4	8	4	12	12	19	1	17	49	104.55												
CHM11BD06C	Groove width 6~8	M18×1	-	6	6	18	5	4	10	6	17	12	16	24	1.5	22	101	127.27					
CHM11BD08C	Groove width 8~10			8	6			5				14						127.27					
CHM11BD10C	Groove width 10~12			10	6			6				16						127.27					
CHM11BD12C	Groove width 12~14			12	6			6				16						127.27					
CHM11BD06H	Hole dia. ø6~8			R3	6			4				10						16	24	1.5	22	101	127.27
CHM11BD08H	Hole dia. ø8~10			R4	8			4				12						16	24	1.5	22	101	127.27
CHM11BD10H	Hole dia. ø10~12	R5	10	6	14	16	24	1.5	22	101	127.27												
CHM11BD12H	Hole dia. ø12~14	R6	12	6	16	16	24	1.5	22	101	102	127.27											

# Angular Gripper single acting Internal Gripping

CHM□BF□□ Screw Mount with Stroke : Right angle



Unit : mm

Model	Workpiece	R	A	B	L1	L2	L3	L4	L5	L6	W1	W2	φP1	φP2	φP3	C	F	Mass (g)	Price (\$)	
CHM08BF03C	Groove width 3~5	-	3	3	14	4	2	7.5	5	13	22	14	8	12	19	0.5	15	71	116.36	
CHM08BF05C	5~7		5	4			3						10						116.36	
CHM08BF07C	7~9		7	4			4						12						116.36	
CHM08BF02H	Hole dia. φ2~3	R1	2	1.6	14	4	1	7.5	5	13	22	14	5	12	19	0.5	15	71	116.36	
CHM08BF03H	φ3~4	R1.5	3	2			1.5						6						116.36	
CHM08BF04H	φ4~6	R2	4	3			2						8						116.36	
CHM08BF06H	φ6~8	R3	6	4			3						10						116.36	
CHM08BF08H	φ8~10	R4	8	4	4	12	116.36													
CHM11BF06C	Groove width 6~8	-	6	6	18	5	4	10	6	17	25	18	12	16	24	1.5	18	113	138.18	
CHM11BF08C	8~10		8				6						5						14	138.18
CHM11BF10C	10~12		10				6						6						16	138.18
CHM11BF12C	12~14		12				6						6						18	138.18
CHM11BF06H	Hole dia. φ6~8	R3	6	4	18	5	3	10	6	17	25	18	10	16	24	1.5	18	113	138.18	
CHM11BF08H	φ8~10	R4	8	4			12						138.18							
CHM11BF10H	φ10~12	R5	10	6			5						14						138.18	
CHM11BF12H	φ12~14	R6	12	6			6						16						138.18	