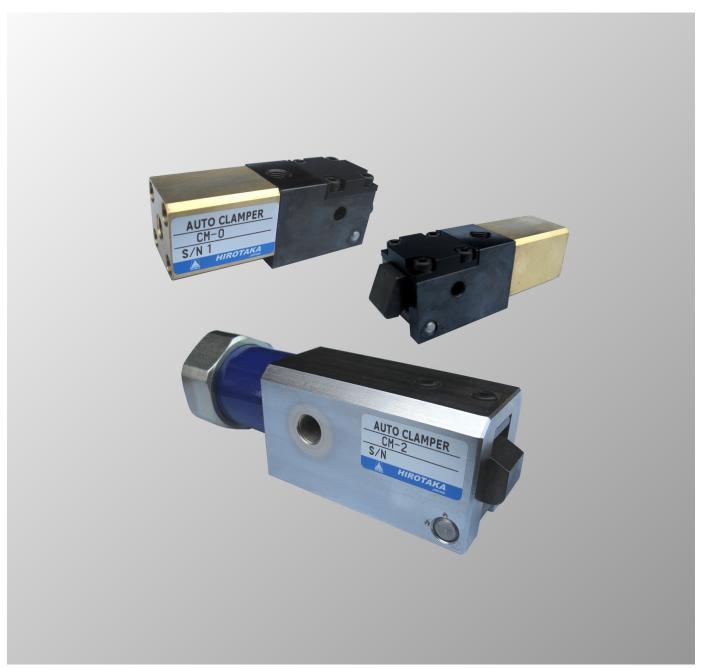


Useable both pneumatic and hydraulic

AUTO CLAMPER

Compact clamping tool.



HIROTAKA MFG. CO.,LTD.

AUTO CLAMPER

Compact, lightweight and easy-to-use pneumatic and hydraulic clamp.

Use this clamper for automation and labor saving of JIG.

Overview

The auto clamper CM series is a device that saves the trouble of designing complicated JIG and reduces the burden on workers.

The clamp arm moves forward and then descends to clamp the workpiece so that it can be clamped even in narrow working spaces.

Either pneumatic or hydraulic fluide can be used depending on the work application.

Feature

- 1 It is a compact type that can be easily incorporated into JIG.
- Clamp arm that can move forward and backward to easily mount and remove workpieces.
- 3 Zero trouble due to simple structure.
- 4 Actuation by air can be used as a clamping device for light loads.
- Sy using our product Rush Booster, the tightening force can be greatly increased from pneumatic to hvdraulic.
- 6 There is also type with switch.





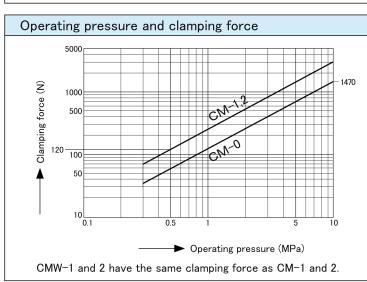
Series	Symbol	With auto switch (Built-in magnet)
Auto Clamper	Nil	Without magnet
	W	Magnet sensing

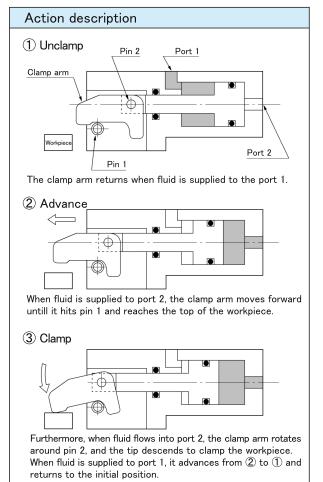
Symbol	Body type
0	CM - 0
1	CM - 1
2	CM - 2

Number of Auto switches
1 pc.
2 pcs.

Specification

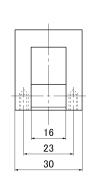
Model number		CM-0	CM - 1	CM-2
Cylinder diameter		ϕ 20	φ 30	φ30
Cylinder stroke		15 mm	20 mm	30 mm
Fluid		Air or Oil		
Operating press	ure	Port 1 : 0.4 to 1.0 MPa Port 2 : 0.4 to 10.0 MPa		
Amount of oil		4.8 cm³	15 cm ³	22 cm³
Clamping force	At 0.5 MPa At 10 MPa	60 N 1470 N	12 300	0 N 0 N
Mass		0.6 kg	1.7 kg	1.8 kg

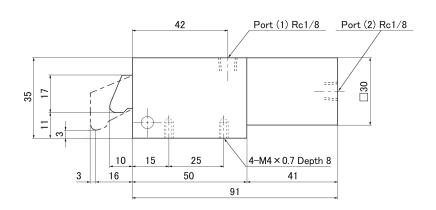




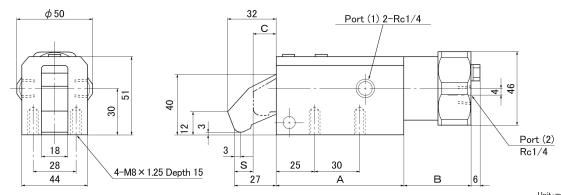
Dimension

CM-0



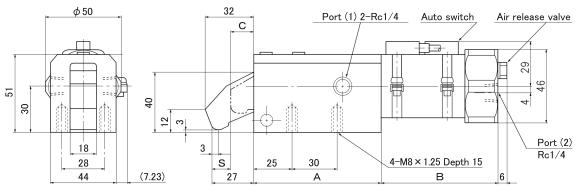


CM-1, 2



				Unit:mm
Symbol Model No.	Α	В	С	S
CM - 1	85	45	16	11
CM - 2	95	55	6	21

CMW-1-2, CMW-2-2



				Unit:mm
Model No.	Α	В	С	S
CMW-1-1	85	78	16	11
CMW-2-2	95	88	6	21

Specifications for auto switch

Model number Color Load current range Internal voltage drop Load voltage Contact type	SWC-1R Red 3 to 50 mA 2.5 V or less 5 to 100 VAC/VDC Read, LED illuminates when turned ON	Internal circuit LED Resistor (+) Brown lead wire	
Lead wire Inpact resistance	Two – core cable, 1 m 30 G (11 msec)	Auto switch Blue lead wire	
Vibration resistance	20 G (10 to 1000 Hz)		
Working temperature range	−10 to 60 °C		
Protection structure	IP67 (IEC)		

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OLINE UP O

PNEUMATIC POWER CYLINDER PNEUMATIC BOOSTER **POWER PACK CYLINDER RUSH BOOSTER** HYDRAULIC CYLINDER **FREE LOCK PAD** SELLOCK CYLINDER FLOATING CONNECTOR **AUTO CLAMPER SEL NUT LINEA BRAKE**

PNEUMATIC AND HYDRAULIC **EQUIPMENT**