

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.
- 2 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.



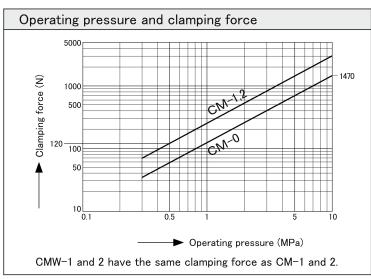


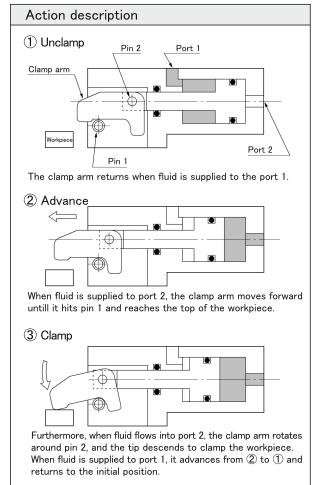
Series	Symbol	With auto switch (Built-in magnet)
Auto Clamper	Nil	Without magnet
	W	Magnet sensing

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

Symbol	Number of Auto switches	
1	1 pc.	
2	2 pcs.	

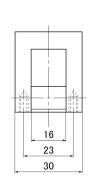
Specification				
Model		CM-0	CM - 1	CM-2
Cylinder diameter		φ20	φ30	φ 30
Cylinder stroke		15 mm	20 mm	30 mm
Fluid		Air or Oil		
Operating press	sure	Port 1 : 0.4 to 1.0 MPa Port 2 : 0.4 to 10.0 MPa		
Amount of oil		4.8 cm³	15 cm ³	22 cm ³
Clamping force	At 0.5 MPa At 10 MPa	60 N 120 N 1470 N 3000 N		
Mass		0.6 kg	17 kg	1 8 kg

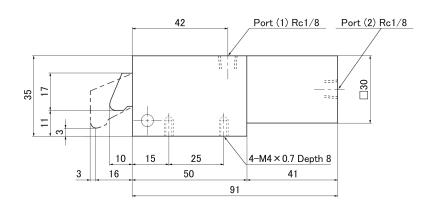




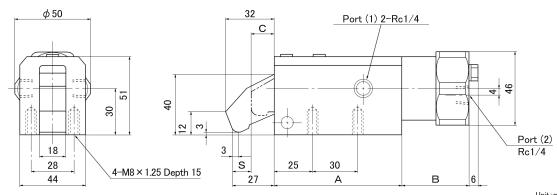
Dimension

CM-0



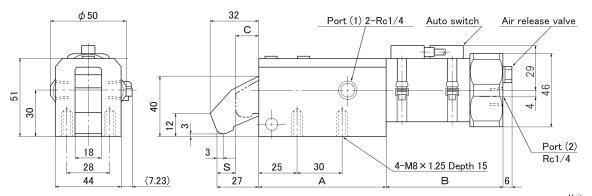


CM-1, 2



				Unit.mm
Model	Α	В	С	S
CM - 1	85	45	16	11
CM - 2	95	55	6	21

CMW-1-2, CMW-2-2



Model	Α	В	С	S
CMW-1-1	85	78	16	11
CMW-2-2	95	88	6	21

Specifications for auto switch

Model No.	SWC-1R	
Color	Red	Internal circuit
Load current range	3 to 50 mA	
Internal voltage drop	2.5 V or less	
Load voltage	5 to 100 VAC/VDC	LED Resistor (+)
Contact type	Read, LED illuminates when turned ON	Zener diode Brown lead wire
Lead wire	Two – core cable, 1 m	Auto switch Blue lead wire
Inpact resistance	30 G (11 msec)	
Vibration resistance	20 G (10 to 1000 Hz)	
Working temperature range	−10 to 60 °C	
Protection structure	IP67 (IEC)	

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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**