

QCOWM

COMPACT SNAP-IN CLAMPS



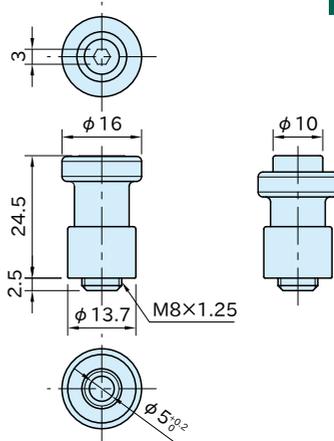
Stainless Steel

Heat resistance: 180°C



(OFF Position) (ON Position)

QCOWM0508-3-SUS



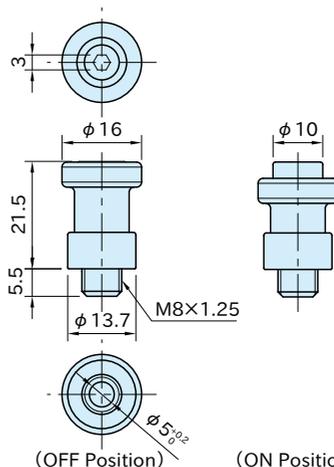
(OFF Position) (ON Position)

QCOWM0508-3-SUS



(OFF Position) (ON Position)

QCOWM0508-6-SUS



(OFF Position) (ON Position)

QCOWM0508-6-SUS

★ Key Point

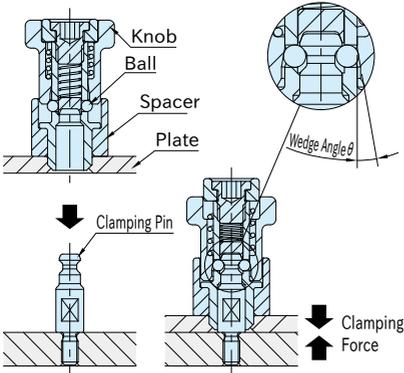
Smallest in the Series -
A Button-Sized Snap-In Clamp

Body	Knob	Spring	Socket Head	Ball
SUS303 stainless steel	SUS630 stainless steel Precipitation hardened	SUS304WPB stainless steel	SUSXM7 stainless steel	SUS440C stainless steel Quenched and tempered

Part Number	Clamping Force (N)	Holding Force (N) *	Weight (g)	Clamping Pin			
				Part Number	Plate Thickness	Part Number	Plate Thickness
QCOWM0508-3-SUS	25	100	18	QCOWM0508-M3-SUS	3	QCOWM0508-M4-SUS	6
QCOWM0508-6-SUS			16	QCOWM0508-M3-SUS	6	QCOWM0508-M4-SUS	9

* Exceeding the holding force creates a gap of greater than 0.1mm between plates.

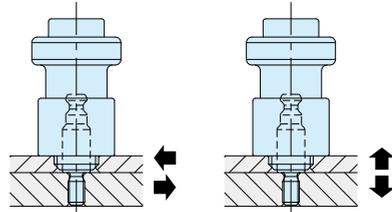
Feature



Four balls hold the Clamping Pin to pull the plate for clamping.

Mechanical Strength

Heatresistant Temperature 180°C



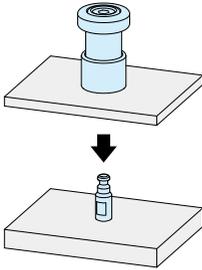
Shear Strength

Tensile Strength

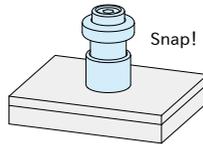
Part Number	Clamping Pin	Shear Strength at Failure(N)	Tensile Strength at Failure(N)
QCOWM0508-3-SUS	QCOWM0508-M3-SUS	600	1500
QCOWM0508-6-SUS	QCOWM0508-M4-SUS	1100	

The values shown represent load levels at which failure can occur.

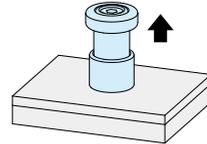
How To Use



1. Put Compact Snap-In Clamp over the Clamping Pin. No knob operation is required.



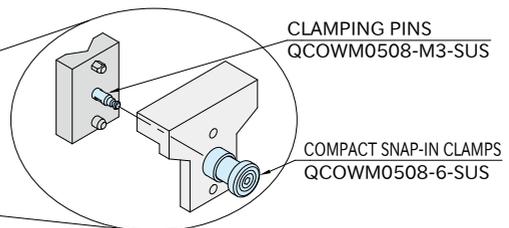
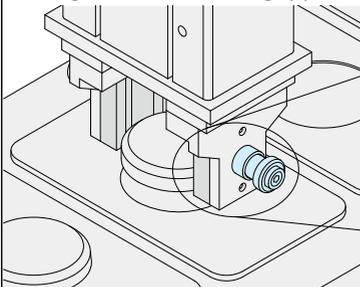
2. Clamped instantly as the pin is inserted. The knob lowers automatically.



3. For unclamping, raise the knob to its highest position and remove the clamp.

Application Example

Changes of robot hand grippers



QCOWM-M

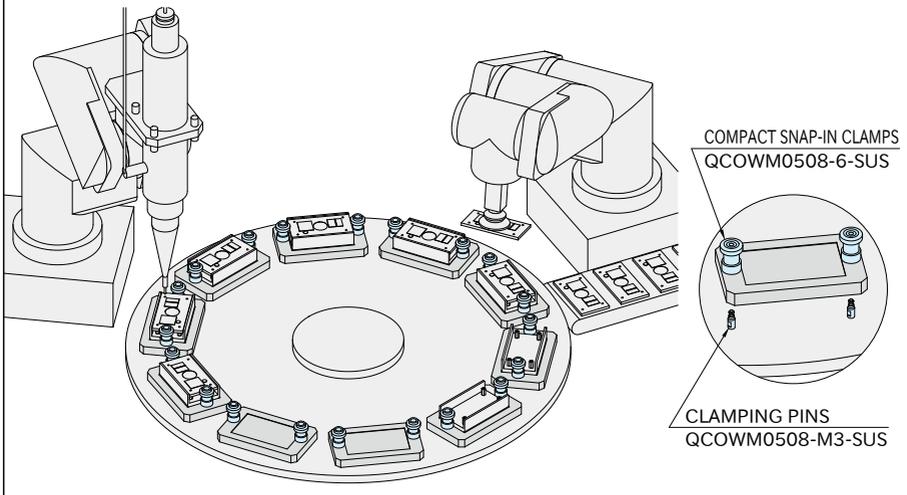
CLAMPING PINS



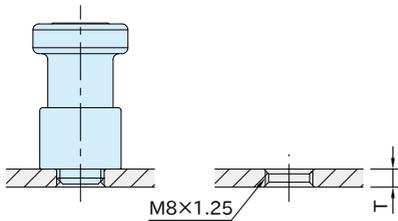
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Application Example

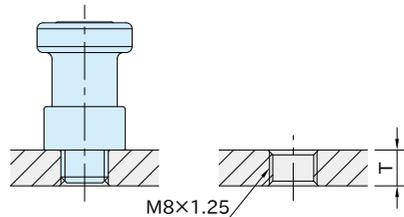
Changes of small fixtures



How To Install

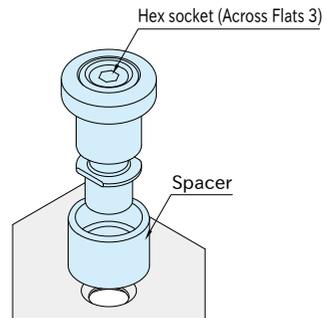


QCOWM0508-3-SUS



QCOWM0508-6-SUS

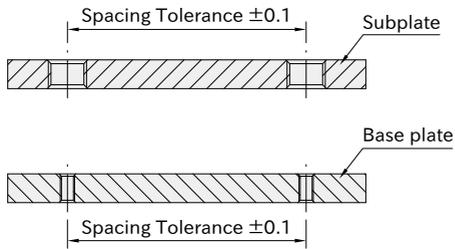
Part Number	Clamping Pin	T (±0.05)
QCOWM0508-3-SUS	QCOWM0508-M3-SUS	3
	QCOWM0508-M4-SUS	6
QCOWM0508-6-SUS	QCOWM0508-M3-SUS	6
	QCOWM0508-M4-SUS	9



Use the hex socket at the top to mount the clamp on the plate.

Accuracy

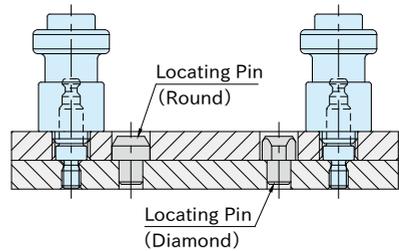
■ Machining Accuracy



Spacing tolerance on both the subplate and the base plate should be ± 0.1 .

■ Repeatability

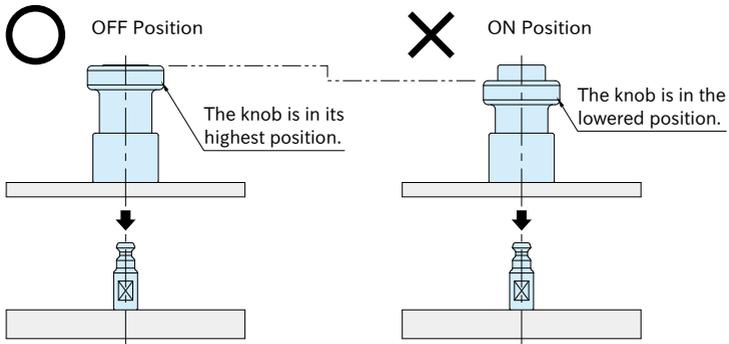
Repeatability ± 0.25



For higher accurate locating, use locating pins.

Note

Ensure the knob is in the OFF position before inserting the clamp into the clamp pin. Forcing the clamp in while the knob is in the ON position can cause damage.



Reference

"How To Install" of [QCOWM-M](#) Clamping Pins