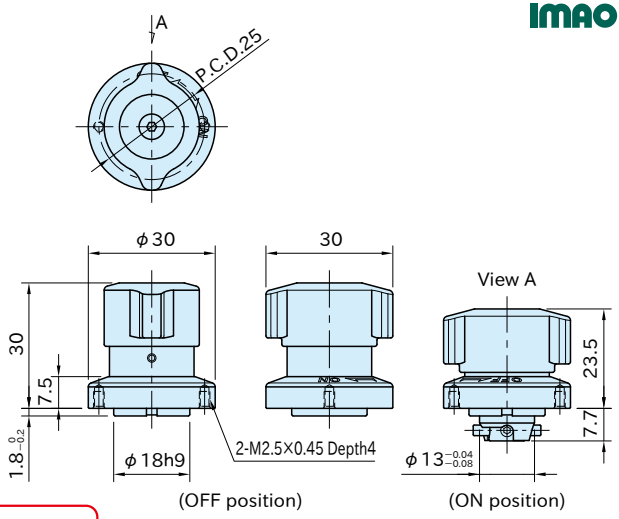
QCTHTA RETRACTABLE QUARTER-TURN PANEL CLAMPS

RoHS Stainless Steel

IMAO



★Key Point

Retractable shank type for thin plates of 2 mm or less — No receptacle required

Body, Shank	Pin	Knob	Spring A	Spring B
SUS303 stainless steel	SUS301 stainless steel	SCS13 stainless steel (Equivalent to SUS304)	SUS304 stainless steel	SUS304WPB stainless steel

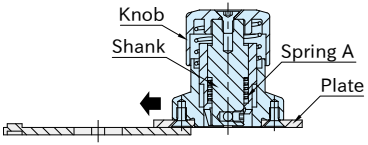
Part Number	Plate Thickness	Clamping Force (N)	Holding Force (N)**	Weight (g)
QCTHTA0430-SUS	4±0.4 *)	40	40	83

*) The combined thickness of the upper and lower plates.
**) Exceeding the holding force creates a gap of greater than 0.1mm between plates.

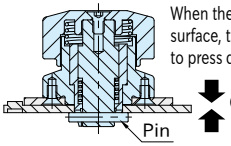
Supplied With

2 of cross recessed countersunk head screws(stainless steel), M2.5×0.45-5L

Feature



The shank retracts at the unclamping position to enable operations without interference with the lower plate.

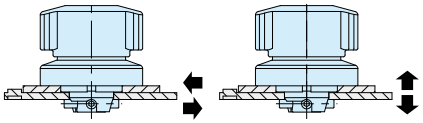


When the pin contacts along the cam surface, the spring A gets compressed to press down the plate.

Clamping Force

Mechanical Strength

Heatresistant Temperature 180℃

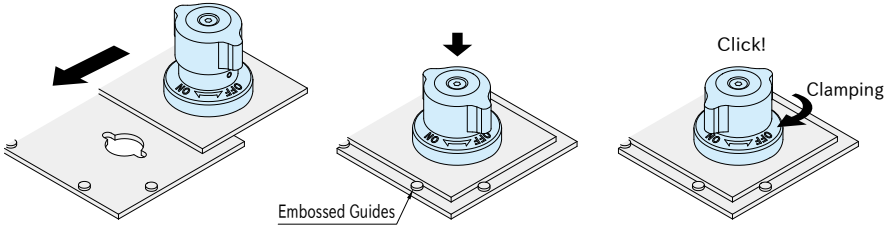


Shear Strength at Failure 1300N

Tensile Strength at Failure 1000N

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

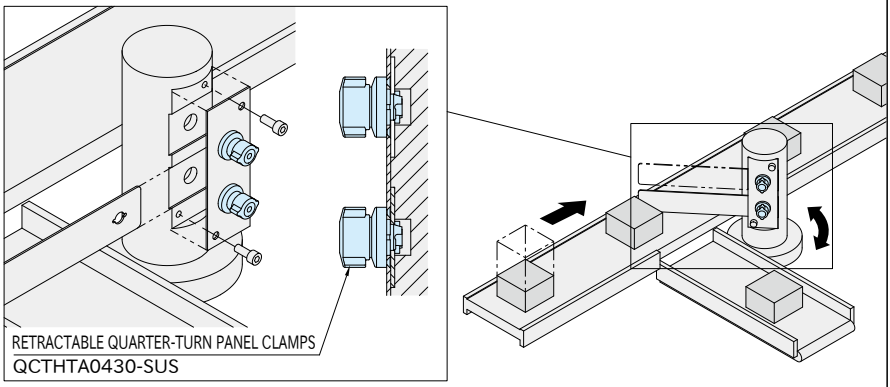
How To Use



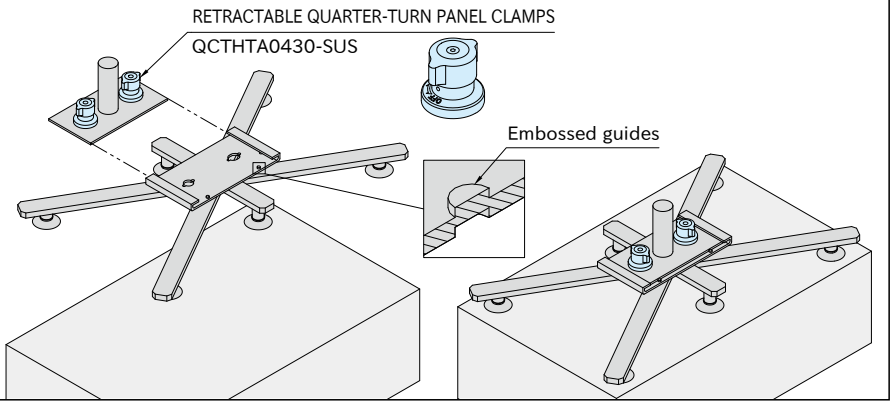
1. Ensure that the knob is positioned at the "OFF" mark and the shank is retracted.
2. Place the upper plate against the embossed guides for rough positioning.
   Insert the Retractable Quarter-Turn Panel Clamp pressing the knob.
3. Turn the knob to the "ON" mark for clamping. The knob clicks when clamped. Turning the knob to the "OFF" position, the shank returns automatically to the unclamping position by the spring.

Application Example

Changes of sorting flap positions



Changes of suction grippers



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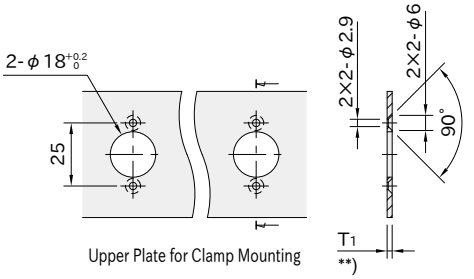
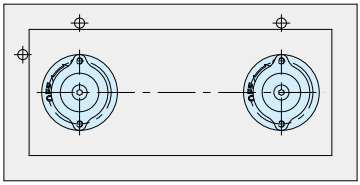
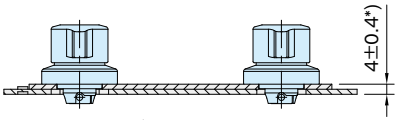
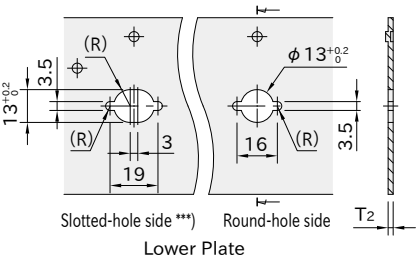
How To Install









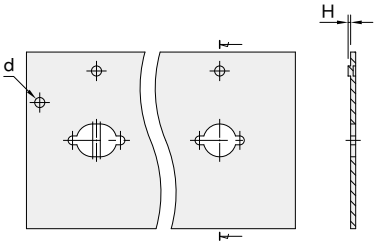
*) The combined thickness of the upper and lower plates (T_1+T_2) should be 4 ±0.4 mm.

**) The thickness of the upper plate (T_1) should be between 2 and 2.8 mm.

***) Pitch variations can be accommodated by machining a slotted hole as needed.
Set the mounting positions so that the round-hole side can be clamped first.

Guide Embossing and Accuracy

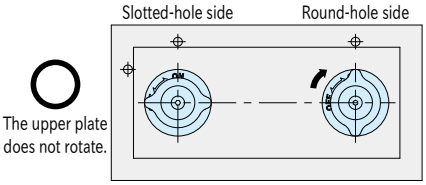
■Embossed Guide for Rough Positioning

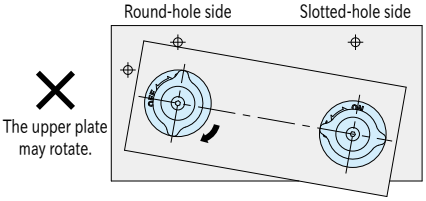


d (0 −0.3)	H
4	1~2
5	

■Embossed Guide Layout

Arrange the embossed guides so that the upper plate does not rotate when the round-hole side is clamped first.

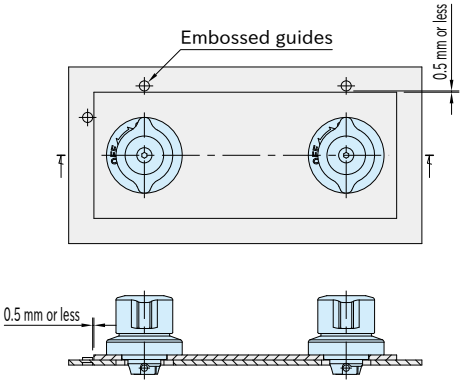




■Repeatability

Repeatability ±0.2

The embossed guides provide only rough positioning, while the holes in the lower plate determine the final position.



Keep the clearance between the embossed guides and the upper plate within 0.5 mm.