

# QCFC / QCFCH FLAT QUARTER TURN CLAMPS

**RHS** Stainless Steel

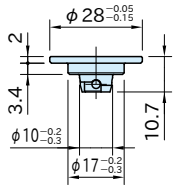
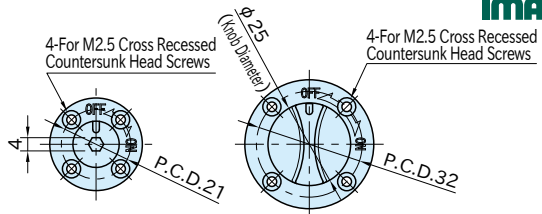
**IMAO**



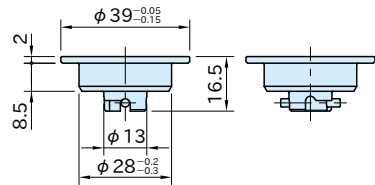
**QCFC0628-SUS**



**QCFC0639-SUS**



**QCFC0628-SUS**



**QCFC0639-SUS**

**★Key Point**  
Flat design ensures no interference

Body, Knob	Pin	Spring
SUS303 stainless steel	SUS301 stainless steel	Stainless steel

Part Number	Plate Thickness	Clamping Force (N)	Holding Force (N) *	Weight (g)	Locking Receptacles
<b>QCFC0628-SUS</b>	6 or more	60	60	15	QCFC0628-B-SUS
<b>QCFC0639-SUS</b>		30	30	46	QCFC0639-B-SUS

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

## Supplied With

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

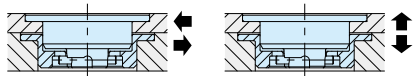
## Feature

- Flat design ensures no interference, ideal for use where space is limited.
- QCFCH type is even more compact and space-saving.

## QCFC-B, QCFCH-B LOCKING RECEPTACLES

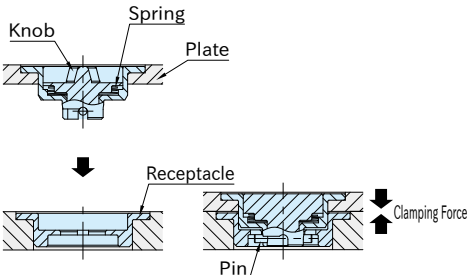


## Mechanical Strength



Shear Strength

Tensile Strength

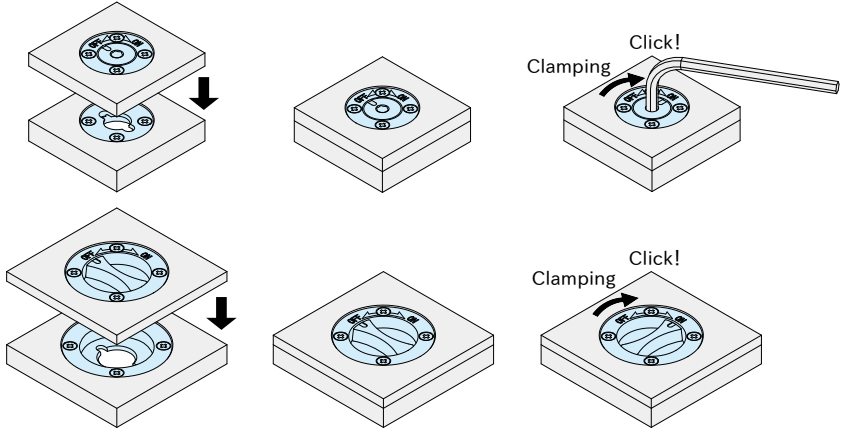


Part Number	Heatresistant Temperature (°C)	Shear Strength at Failure (N)	Tensile Strength at Failure (N)
<b>QCFC0628-SUS</b>	180	1200	1000
<b>QCFC0639-SUS</b>		2500	

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

The pin engages the receptacle by turning the knob, the spring gets compressed to press down the plate.

## How To Use



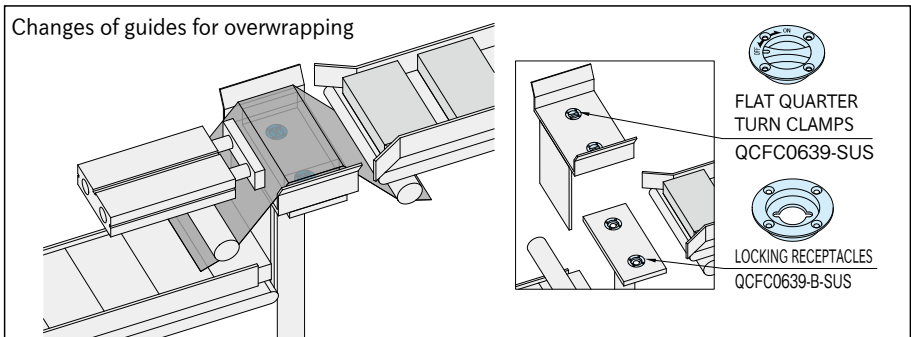
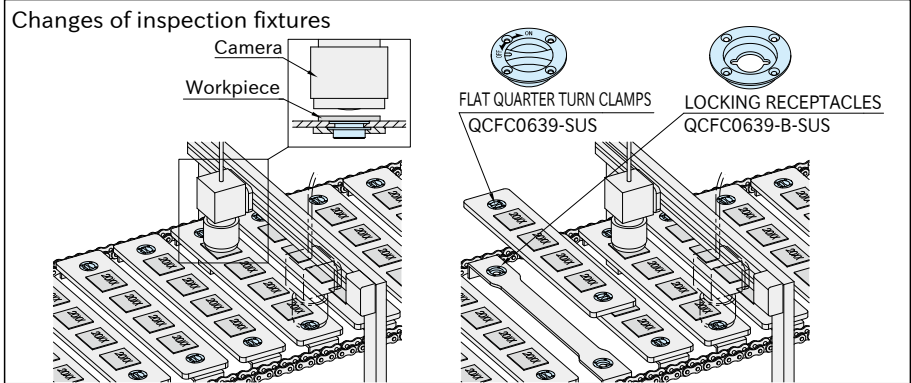
1. Ensure that the knob is positioned at the "OFF" mark.

2. Insert the Flat Quarter-Turn Clamp

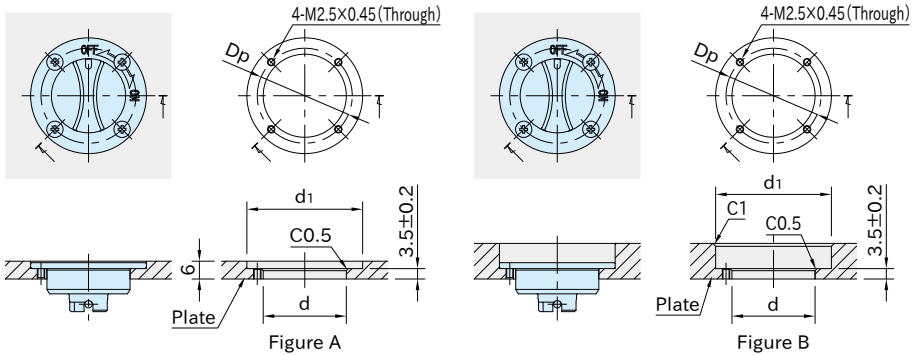
3. Turn the clamp to the "ON" mark for clamping. The clamp clicks when it is clamped/unclamped.

Note: For unclamping, follow back these steps.

## Application Example



## How To Install

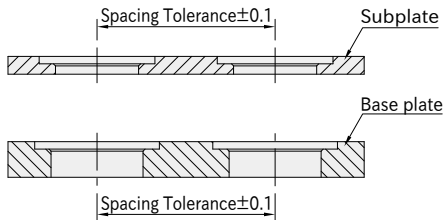


Part Number	Plate Thickness	Figure	d (±0.1)	d <sub>1</sub> ( <sup>+0.05</sup> / <sub>0</sub> )	Dp
QCFC0628-SUS	6	A	17	28	21
	Over 6*)	B			
QCFC0639-SUS	6	A	28	39	32
	Over 6*)	B			

\*)For use with thick plates, provide sufficient counterbore for operation.

## Accuracy

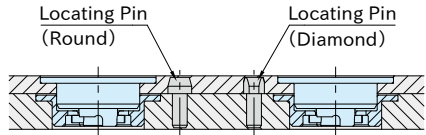
### ■ Machining Accuracy



Spacing tolerance on both the subplate and the base plate should be  $\pm 0.1$ .

### ■ Repeatability

Repeatability  $\pm 0.3$



For higher accurate locating, use locating pins.

## Reference

"How To Install" of [QCFC-B](#) [QCFC-B](#) Locking Receptacles