

# QCFC / QCFCH FLAT QUARTER TURN CLAMPS



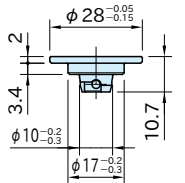
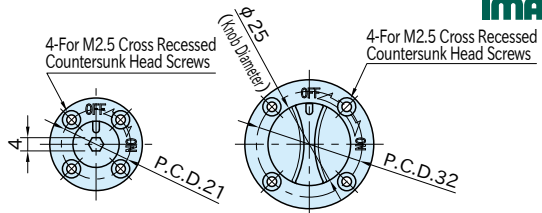
Stainless Steel



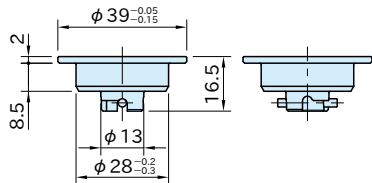
QCFC0628-SUS



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
QCFC0628-SUS	6 or more	60	60	15	QCFC0628-B-SUS
QCFC0639-SUS		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

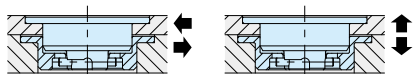
## Feature

- 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



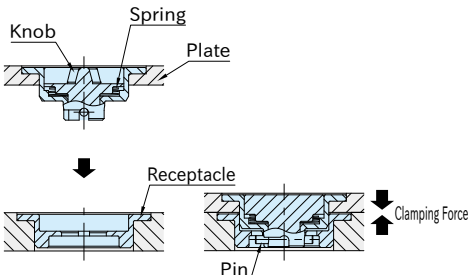
## Mechanical Strength



Shear Strength

Tensile Strength

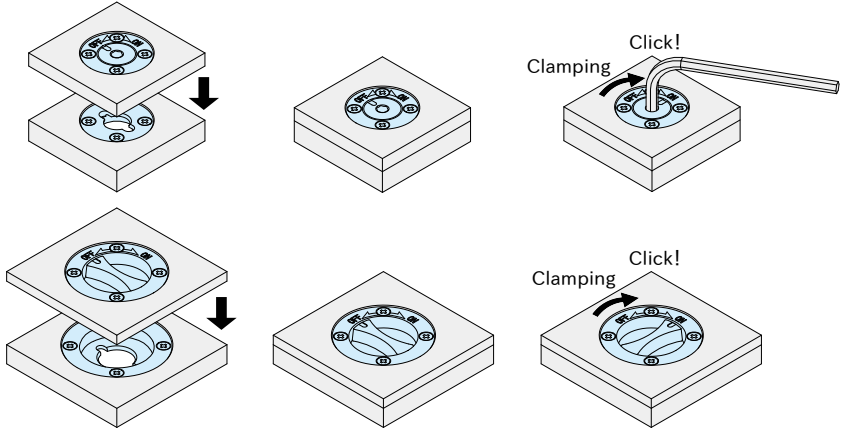
Part Number	Heatresistant Temperature(C)	Shear Strength (N)	Tensile Strength (N)
QCFC0628-SUS	180	1200	1000
QCFC0639-SUS		2500	



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

Shear and tensile strength is allowable load and the fastener could break when it receives bigger load.

## How To Use



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

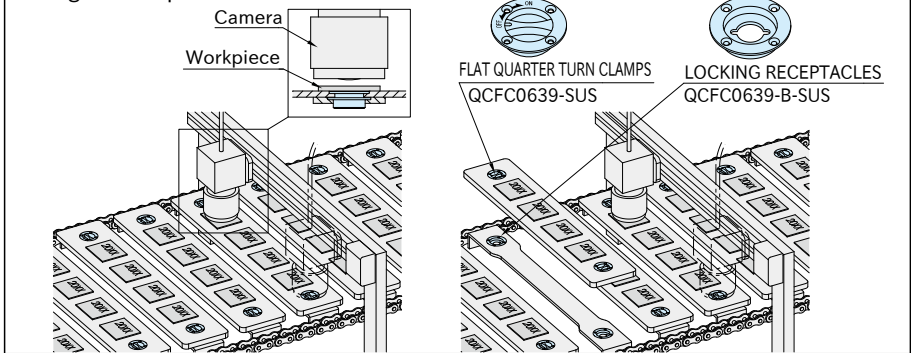
2. Insert the Flat Quarter-Turn Clamp

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

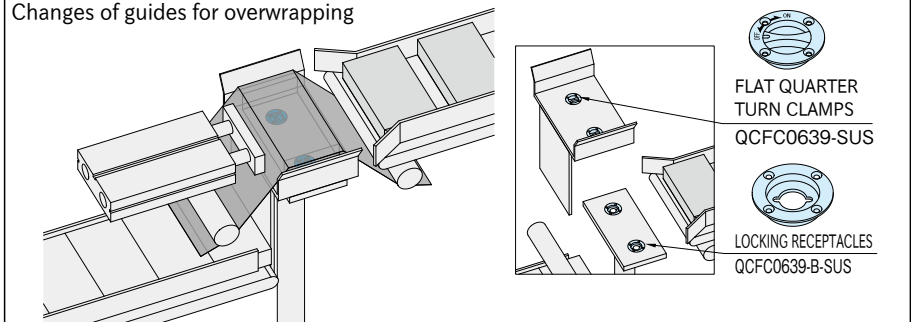
Note: For unclamping, follow back these steps.

## Application Example

### Changes of inspection fixtures



### Changes of guides for overwrapping



## How To Install

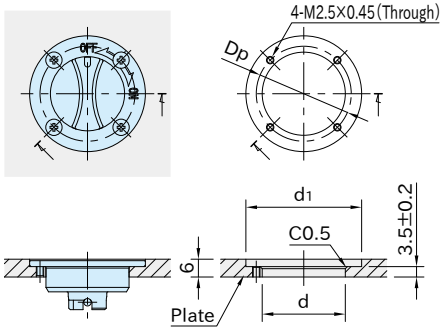


Figure A

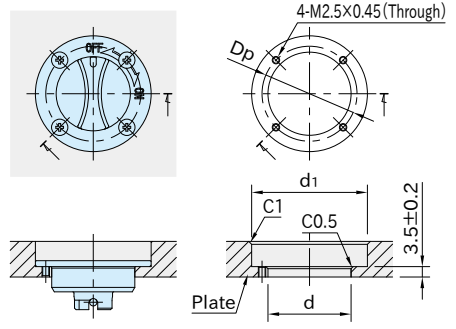


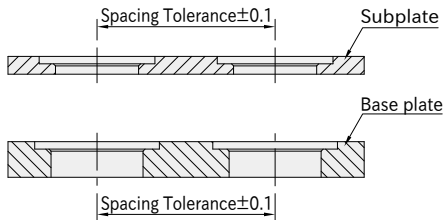
Figure B

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

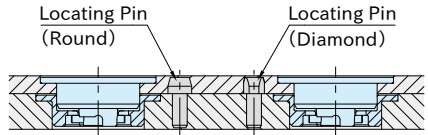
### ■ Machining Accuracy



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