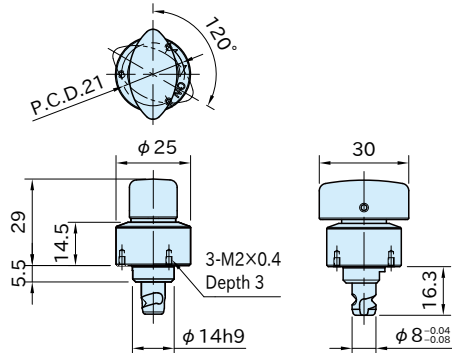




**QCTHS0825-20**  
(Plastic Knob)



**QCTHS0825-20S**  
(Metal Knob)



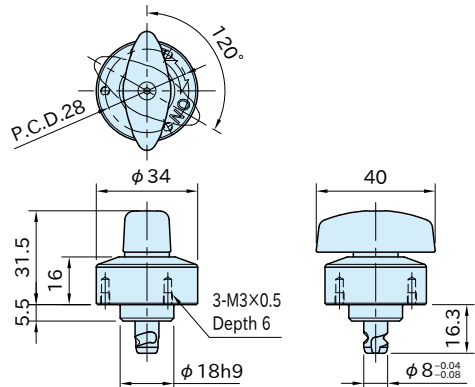
**QCTHS0825-20**   **QCTHS0825-20S**



**QCTHS0834-20**  
(Plastic Knob)



**QCTHS0834-20S**  
(Metal Knob)



**QCTHS0834-20**   **QCTHS0834-20S**

★ **Key Point**  
Clamping force 400N,250N

Part Number	Body	Shank	Pin	Knob	Spring A	Spring B
<b>QCTHS</b>	SUS303 stainless steel	SKS3 steel Electroless nickel plated Quenched and tempered	SUS440C stainless steel Quenched and tempered	Polyamide (glass-fiber reinforced) Black	Equivalent to SWOSC-V steel	SUS316J1 stainless steel
<b>QCTHS-S</b>	steel			SCS13 stainless steel (Equivalent to SUS304)		

Part Number	Proper Plate Thickness	Clamping Force (N)	Holding Force (N)**	Weight (g)	Proper Locking Receptacle
<b>QCTHS0825-20</b>	3~20 )	250	250	62	<b>QCTHS0834-B</b>
<b>QCTHS0825-20S</b>				84	
<b>QCTHS0834-20</b>		400	400	121	
<b>QCTHS0834-20S</b>				157	

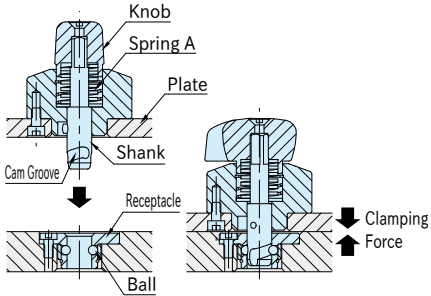
\*) Spacer **QCASP** is required for thinner plate than 6mm.

\*\*) The holding force limits the gap between plates within 0.1 mm.

## Supplied With

- **QCTHS** **QCTHS-S** 0825-20 :  
3 of socket-head cap screws(stainless steel),  
M2×0.4-5L
- **QCTHS** **QCTHS-S** 0834-20 :  
3 of socket-head cap screws(stainless steel),  
M3×0.5-6L

## Feature

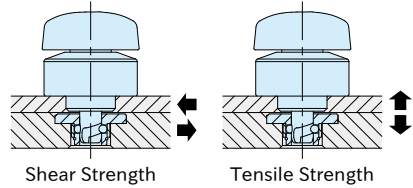


When the cam groove moves along the ball inside the receptacle, the spring A gets compressed to press down the plate.

## QCTHS-B LOCKING RECEPTACLE



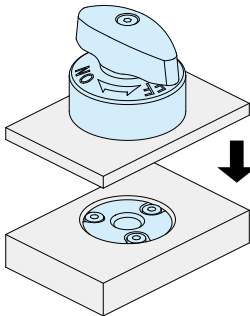
## Technical Information



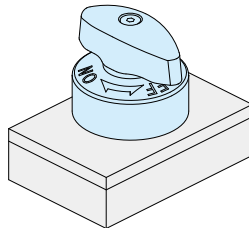
Part Number	Heatresistant Temperature (°C)	Shear Strength (N)	Tensile Strength (N)
<b>QCTHS0825-20</b>	130	4800	1100
<b>QCTHS0825-20S</b>	180		1600
<b>QCTHS0834-20</b>	130	4800	1600
<b>QCTHS0834-20S</b>	180		1600

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

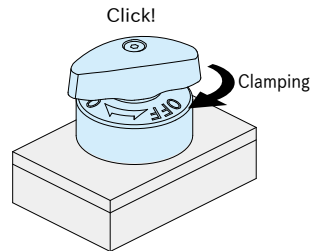
## How To Use



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



2. Insert the Heavy Duty Quarter-Turn Clamp.

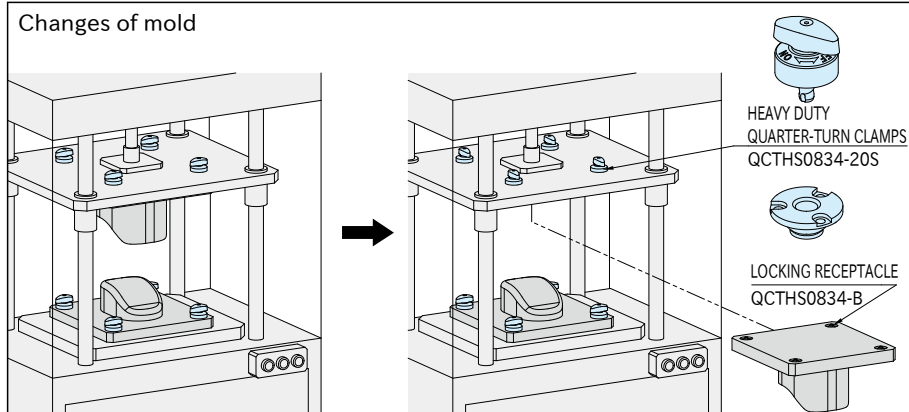
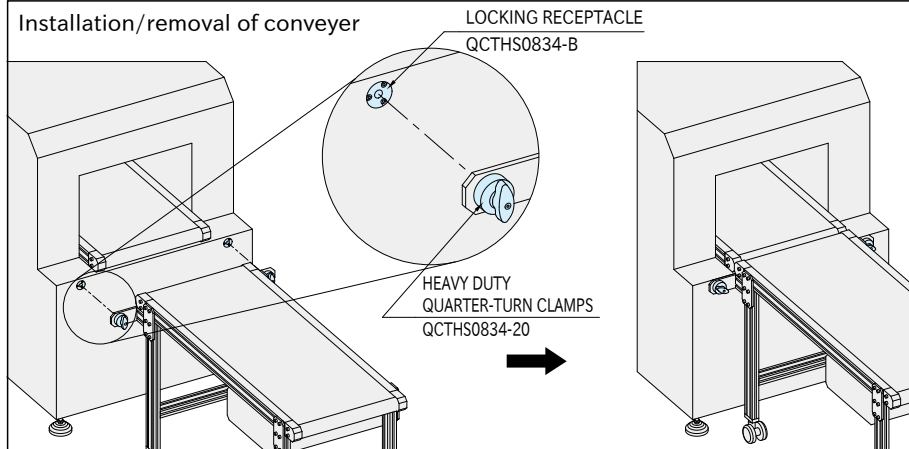


3. Turn the knob to the "ON" mark for clamping. The knob clicks when it is clamped/unclamped.  
Note: For unclamping, follow back these steps.



Continuing on Next Page

## Application Example



## Reference

- "How To Install" of [QCTHS-B](#) Locking Receptacle
- Spacer [QCASP](#) is required for 3mm or more, under 6mm plate thickness.

## How To Install

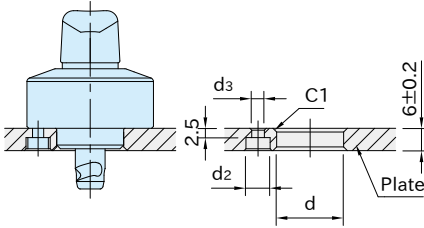
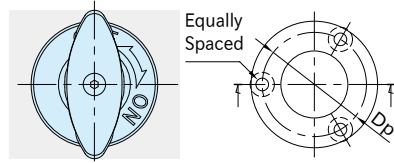
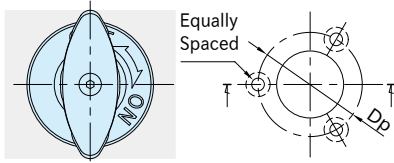


Figure A

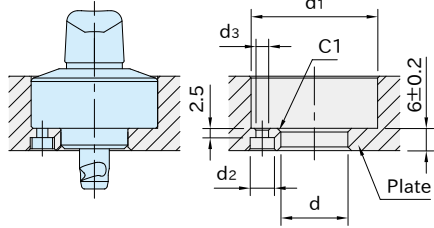


Figure B

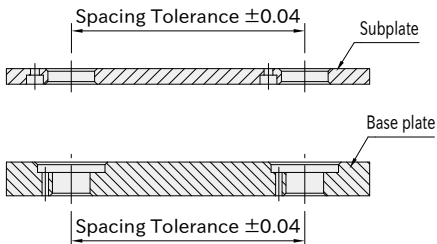
Size	Proper Plate Thickness	Figure	d (+0.10 +0.05)	d <sub>1</sub>	d <sub>2</sub>	d <sub>3</sub>	D <sub>p</sub>	
QCTHS	0825-20	3 or more, under 6	Spacer <b>QCASP</b> is required.					
		6	A	—	—	—	—	
QCTHS-S	0834-20	over 6, 20 or less	B	14	26	4.4	2.4	21
		3 or more, under 6	Spacer <b>QCASP</b> is required.					
	0834-20	6	A	—	—	—	—	
		over 6, 20 or less	B	18	35	6.5	3.4	28

## QCASP SPACERS



## Accuracy

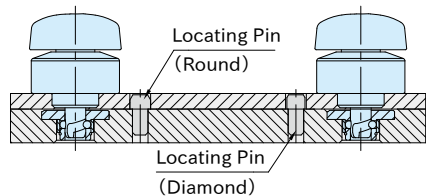
### ■ Machining Accuracy



Spacing tolerance on both the subplate and the base plate should be  $\pm 0.04$ .

### ■ Repeatability

Repeatability  $\pm 0.1$



For higher accurate locating, use locating pins.