

QCTHS

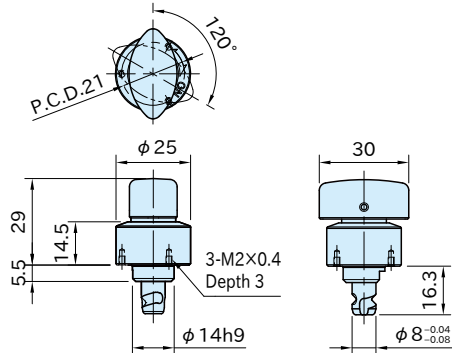
HEAVY DUTY QUARTER-TURN CLAMPS



QCTHS0825-20
(Plastic Knob)



QCTHS0825-20S
(Metal Knob)



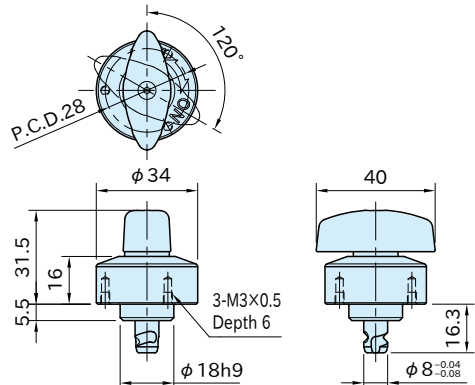
QCTHS0825-20 **QCTHS0825-20S**



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
QCTHS	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
QCTHS-S				SCS13 stainless steel (Equivalent to SUS304)		

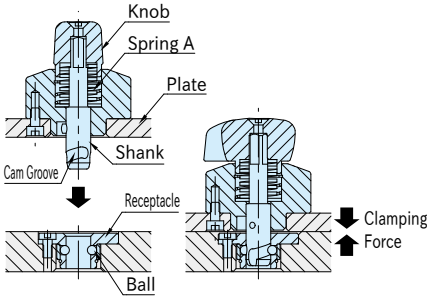
Part Number	Proper Plate Thickness	Clamping Force (N)	Weight (g)	Proper Locking Receptacle
QCTHS0825-20	3~20 *)	250	62	QCTHS0834-B
QCTHS0825-20S			84	
QCTHS0834-20		400	121	
QCTHS0834-20S			157	

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

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

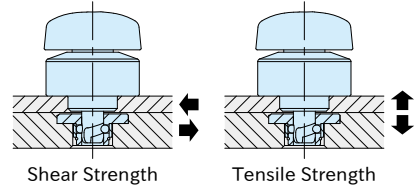


When the cam groove moves along the ball inside the receptacle, the spring A gets compressed to press down the plate.

QCTHS-B LOCKING RECEPTACLE



Technical Information

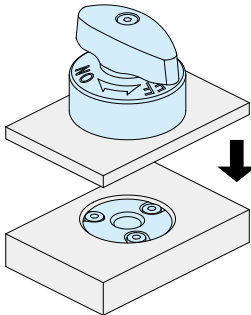


Part Number	Heatresistant Temperature (°C)	Shear Strength (N)	Tensile Strength (N)
QCTHS0825-20	130	4800	1100
QCTHS0825-20S	180		
QCTHS0834-20	130	4800	1600
QCTHS0834-20S	180		

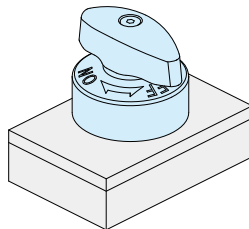
Shear and tensile strength is allowable load and the fastener could break when it receives bigger load.

When the fastener receives tensile load that is bigger than its clamping force, there is a gap between the plates and the fastener could break if this happens frequently.

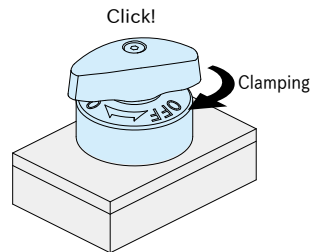
How To Use



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



2. Insert the Heavy Duty Quarter-Turn Clamp.

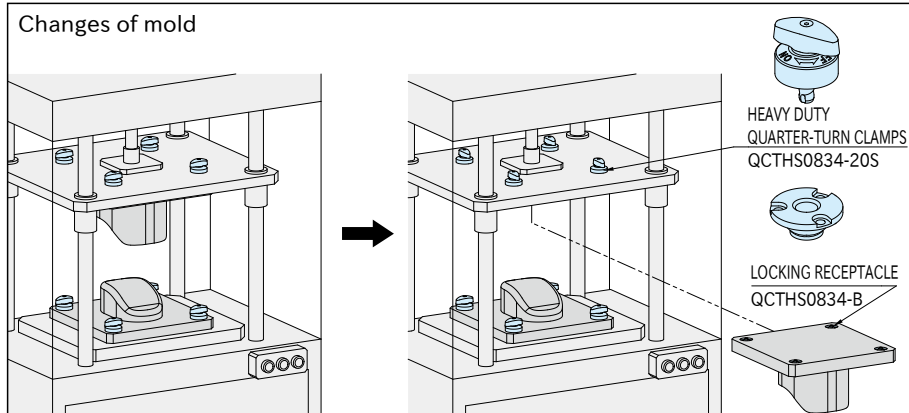
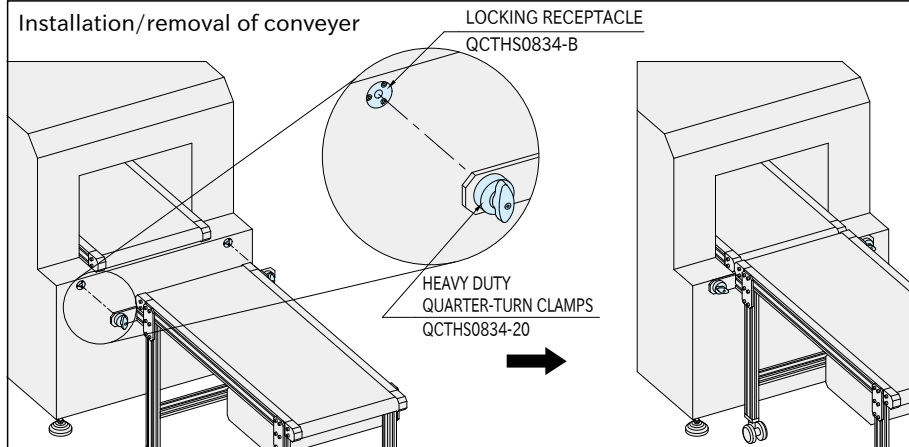


3. Turn the knob to the "ON" mark for clamping. The knob clicks when it is clamped/unclamped.
Note: For unclamping, follow back these steps.



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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

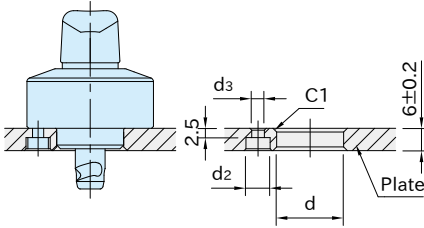
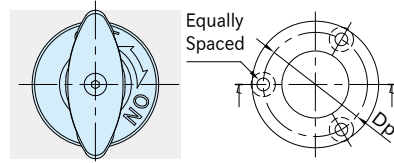
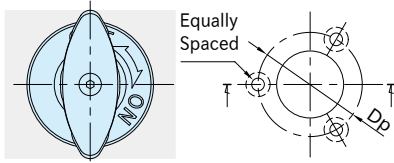


Figure A

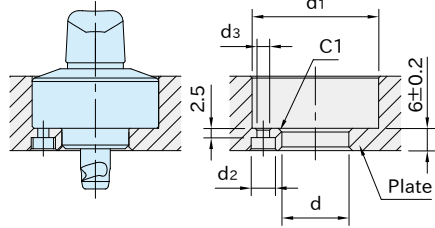


Figure B

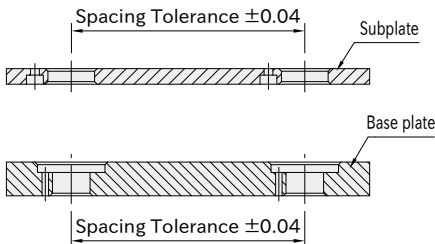
Size	Proper Plate Thickness	Figure	d (+0.10 +0.05)	d ₁	d ₂	d ₃	D _p	
QCTHS	0825-20	3 or more, under 6	Spacer QCASP is required.					
		6	A	—	—	—	—	
QCTHS-S	0834-20	over 6, 20 or less	B	14	26	4.4	2.4	21
		3 or more, under 6	Spacer QCASP is required.					
	0834-20	6	A	—	—	—	—	
		over 6, 20 or less	B	18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

QCASP SPACERS



Accuracy

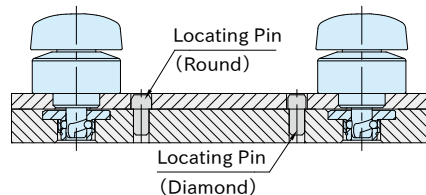
■ Machining Accuracy



Spacing tolerance on both the subplate and the base plate should be ± 0.04 .

■ Repeatability

Repeatability ± 0.1



For higher accurate locating, use locating pins.