

QCTHSA

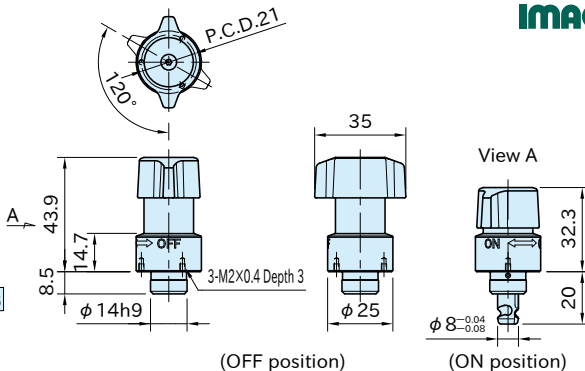
RETRACTABLE HEAVY DUTY QUARTER-TURN CLAMPS



QCTHSA0825-20
(Plastic Knob,
OFF position)



QCTHSA0825-20S
(Metal Knob,
ON position)



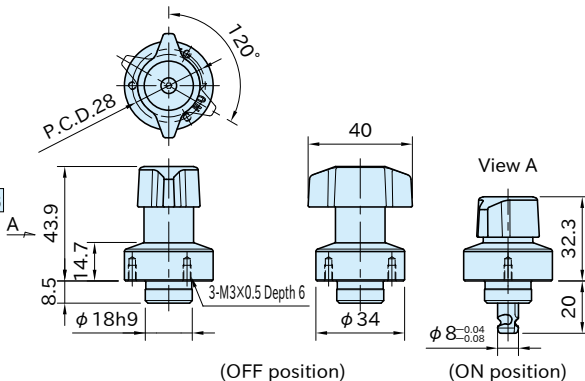
QCTHSA0825-20 **QCTHSA0825-20S**



QCTHSA0834-20
(Plastic Knob,
OFF position)



QCTHSA0834-20S
(Metal Knob,
ON position)



QCTHSA0834-20 **QCTHSA0834-20S**

★Key Point

No interference by retractable shank

Type	Body	Shank	Pin	Knob	Spring A	Spring B
QCTHSA	SUS303 stainless steel	SKS3 steel Electroless nickel plated	SUS420J2 stainless steel	Polyamide(glass-fiber reinforced) Black	Equivalent to SWOSC-V steel	SUS304WPB stainless steel
QCTHSA-S	steel	Quenched and tempered	Quenched and tempered	SCS13 stainless steel (Equivalent to SUS304)		steel

Part Number	Plate Thickness	Clamping Force (N)	Holding Force (N) **	Weight (g)	Locking Receptacle	Floating Receptacles
QCTHSA0825-20	6~20 *)	250	250	76	QCTHSA0834-B	QCTHSA0834-FL-SUS
QCTHSA0825-20S				104		
QCTHSA0834-20				130		
QCTHSA0834-20S		400	400	160		

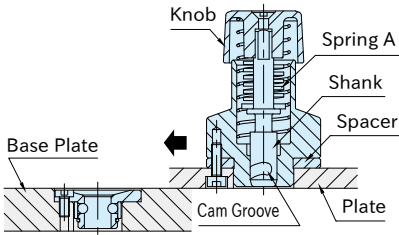
*) Spacer **QCTHSA** is required for thinner plate than 9mm.

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

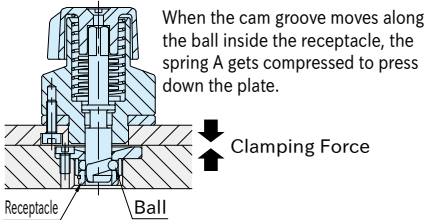
QCTHS-B LOCKING RECEPTACLE	QCTHS-FL FLOATING RECEPTACLES

- Supplied With**
- **QCTHSA** **QCTHSA-S**0825-20 :
3 of socket-head cap screws(stainless steel) M2x0.4-8L
 - **QCTHSA** **QCTHSA-S**0834-20 :
3 of socket-head cap screws(stainless steel) M3x0.5-10L

Feature



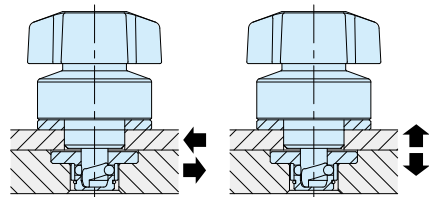
The shank retracts at the unclamping position to enable operations without interference with the base plate.



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

Clamping Force

Mechanical Strength



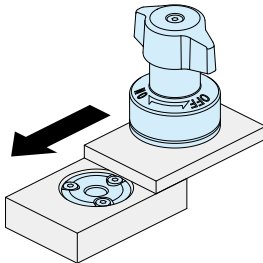
Shear Strength

Tensile Strength

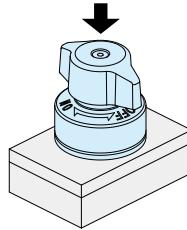
Part Number	Heatresistant Temperature(°C)	Shear Strength at Failure(N)	Tensile Strength at Failure(N)
QCTHSA0825-20	130	3000	1600
QCTHSA0825-20S	180		
QCTHSA0834-20	130	3000	1600
QCTHSA0834-20S	180		

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

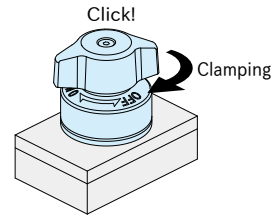
How To Use



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



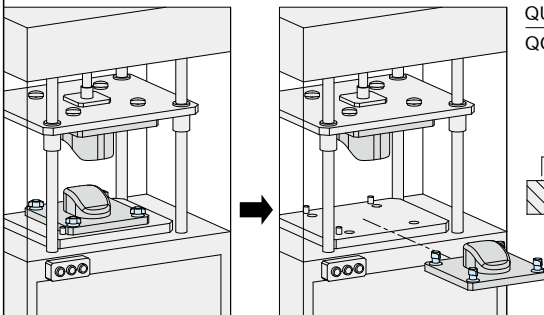
2. Insert the clamp pressing the knob.



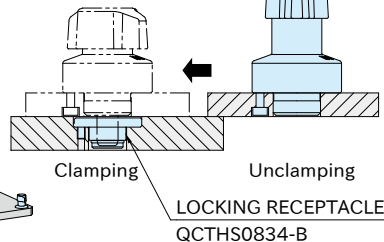
3. Turn the knob to the "ON" mark for clamping. The knob clicks when clamped. Turning the knob to the "OFF" position, the shank returns automatically to the unclamping position by the spring.

Application Example

Die Changing

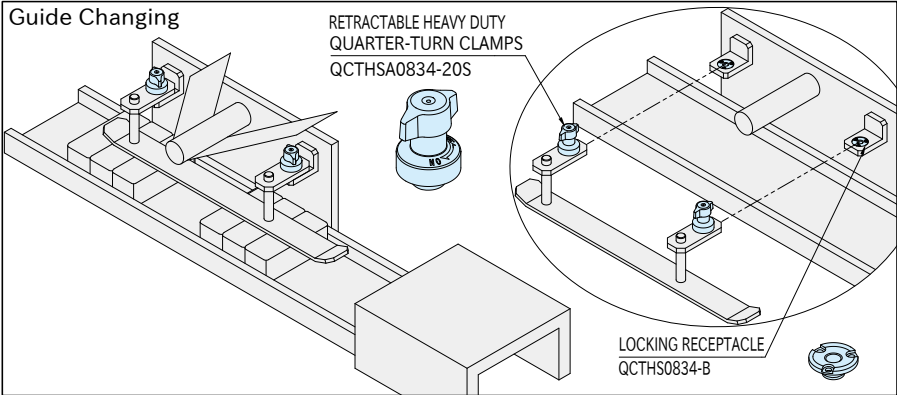


RETRACTABLE HEAVY DUTY QUARTER-TURN CLAMP QCTHSA0834-20



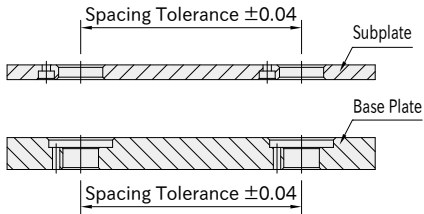
Application Example

Guide Changing



Accuracy

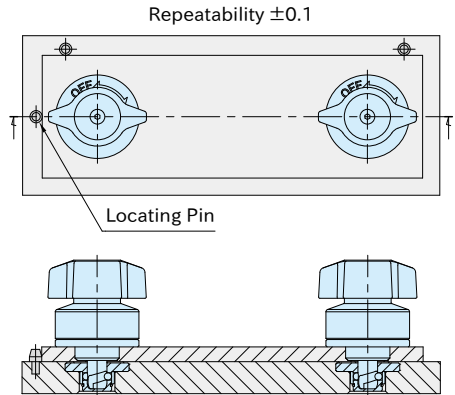
■ Machining Accuracy



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

Note: To expand the tolerance range of mounting hole spacing, use [QCTHS-FL](#) floating receptacles. See [QCTHS-FL](#) Floating Receptacles product pages for details.

■ Repeatability



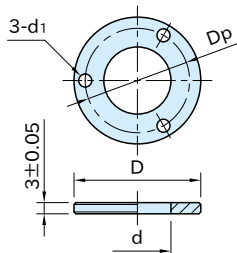
For higher accurate locating, use locating pins.

Reference

"How To Install" of [QCTHS-B](#) Locking Receptacle and [QCTHS-FL](#) Floating Receptacles

QCTHSA

SPACERS



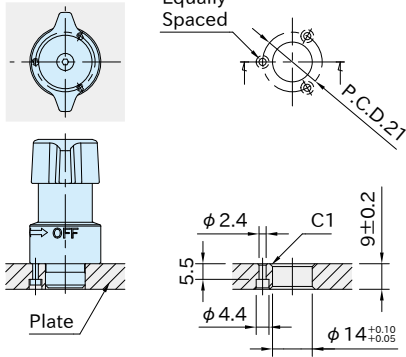
Body
SUS303 stainless steel

Part Number	D	d ($^{+0.1}$ / 0)	Dp	d ₁	Weight (g)
QCTHSA25-03-SUS	25	14	21	2.3	7
QCTHSA34-03-SUS	34	18	28	3.5	14

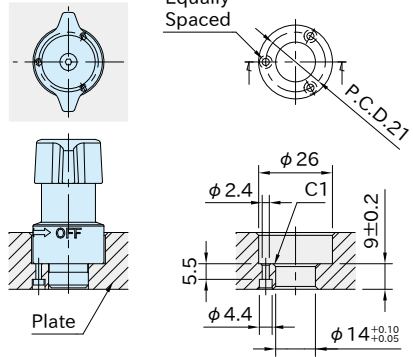
How To Install

QCTHSA0825-20 | QCTHSA0825-20S

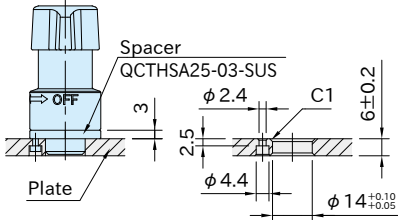
For 9mm plate



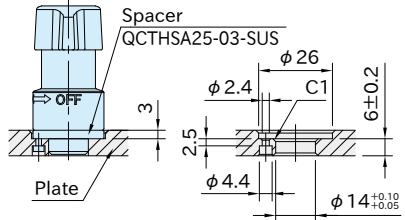
For over 9mm to 20mm plate



For 6mm plate

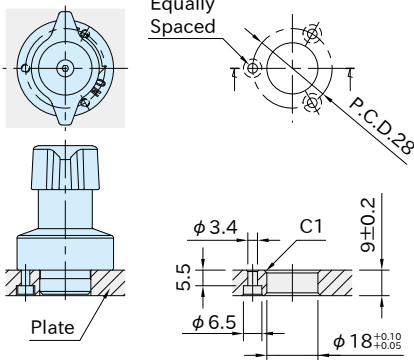


For over 6mm to under 9mm plate

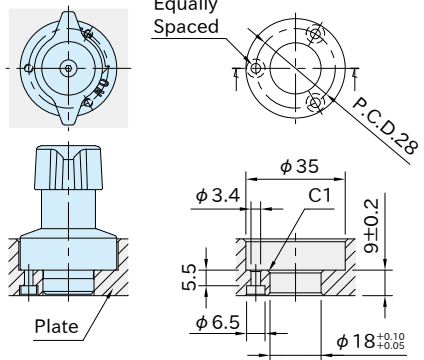


QCTHSA0834-20 | QCTHSA0834-20S

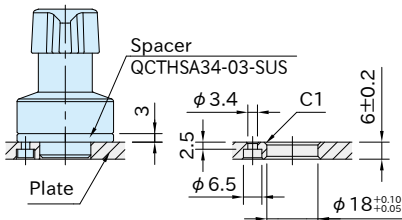
For 9mm plate



For over 9mm to 20mm plate



For 6mm plate



For over 6mm to under 9mm plate

