

QCTHS

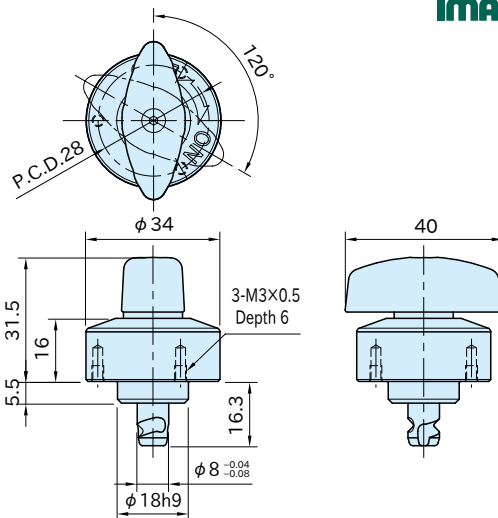
HEAVY DUTY QUARTER-TURN CLAMPS



QCTHS0834-20
(Plastic Knob)



QCTHS0834-20S
(Metal Knob)



★Key Point
Clamping force 400N

Part Number	Body	Shank	Pin	Knob	Spring A	Spring B
QCTHS0834-20	SUS303 stainless steel	SKS3 steel	SUS440C stainless steel Quenched and tempered	Polyamide (glass-fiber reinforced)	Equivalent to SWOSC-V steel	SUS316J1 stainless steel
QCTHS0834-20S		Electroless nickel plated Quenched and tempered		Black SCS13 stainless steel (Equivalent to SUS304)		

Part Number	Proper Plate Thickness	Clamping Force (N)	Weight (g)	Proper Locking Receptacle
QCTHS0834-20	6~20	400	121	QCTHS0834-B
QCTHS0834-20S			157	

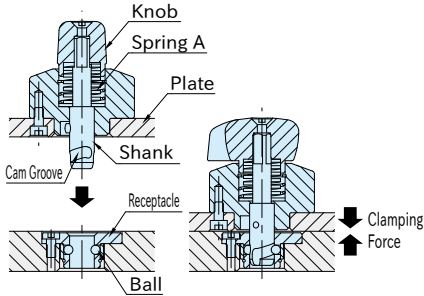
Supplied With

3 of socket-head cap screws (stainless steel), M3x0.5-6L

QCTHS-B LOCKING RECEPTACLE

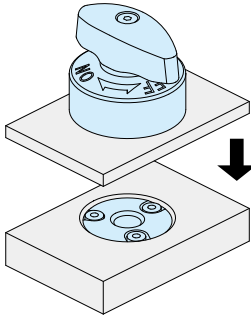


Feature

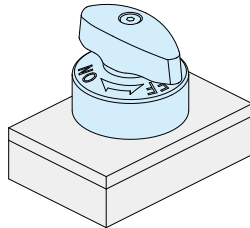


When the cam groove moves along the ball inside the receptacle, the spring A gets compressed to press down the plate.

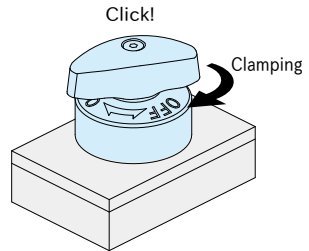
How To Use



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



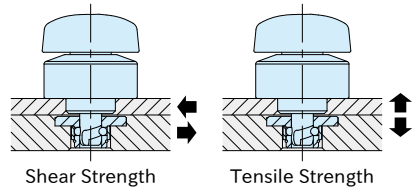
2. Insert the Heavy Duty Quarter-Turn Clamp.



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.

Technical Information



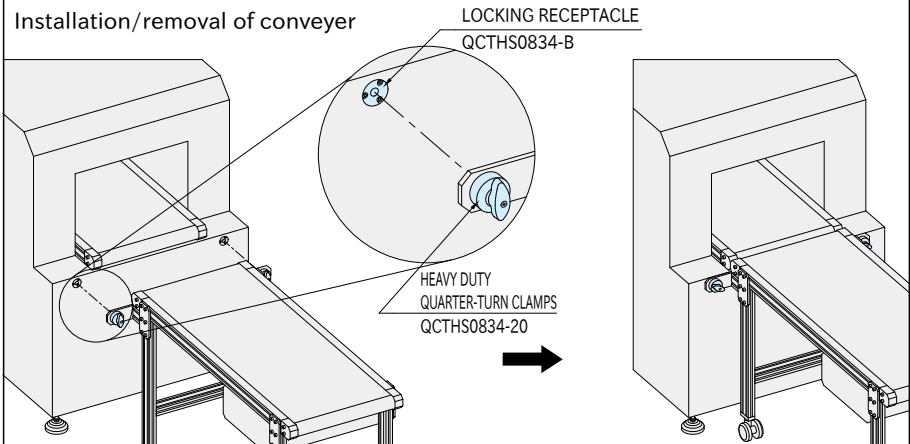
Part Number	Heatresistant Temperature (°C)	Shear Strength (N)	Tensile Strength (N)
QCTHS0834-20	130	4800	1600
QCTHS0834-20S	180		

Shear and tensile strength is allowable load and the fastener breaks when it receives this load.

When the two plates receive tensile load that is bigger than the fastener's clamping force, there is a gap between the plates.

Application Example

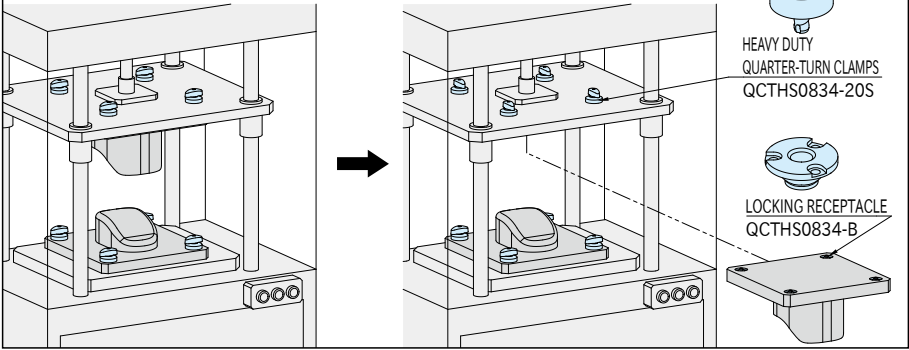
Installation/removal of conveyer



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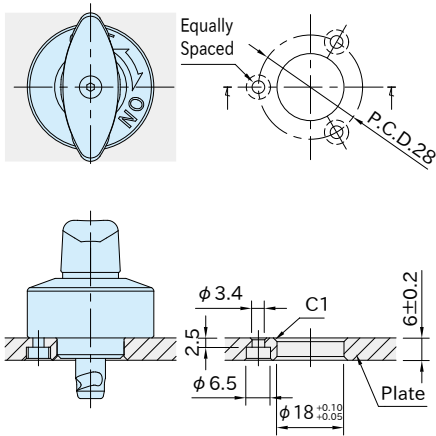
Application Example

Changes of mold

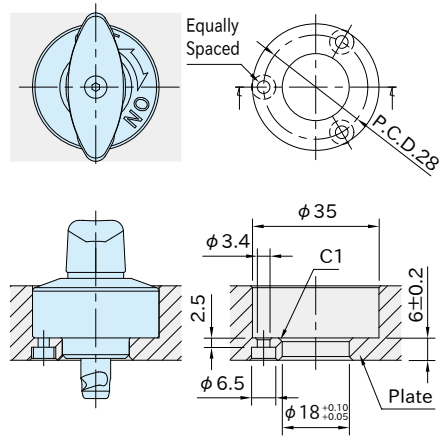


How To Install Quarter-Turn Clamp

When plate thickness is 6mm.

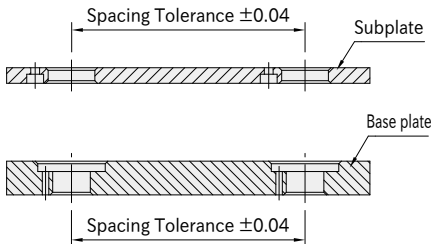


When plate thickness is over 6mm, 20mm or less.



Accuracy

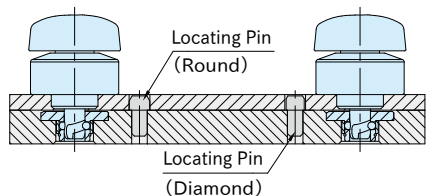
■ Machining Accuracy



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.