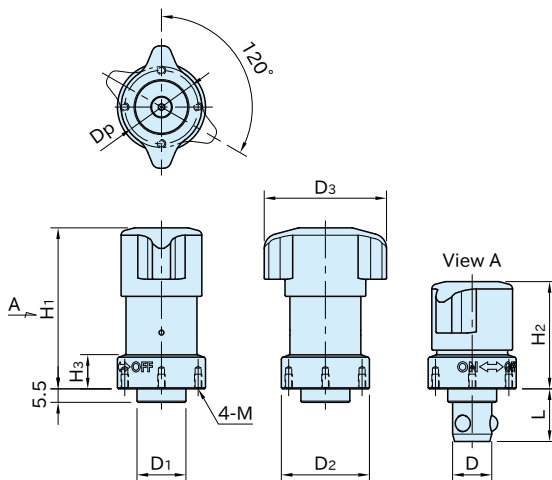




(OFF position) (ON position)



(OFF position)

(ON position)

★Key Point

Retractable shaft allows sliding movement with clamping forces of 1000 N and 2000 N

Body	Shank	Wedge	Knob	Ball	Spring A	Spring B
SUS303 stainless steel	SCM440 steel Electroless nickel plated	SCM435 steel Electroless nickel plated Quenched and tempered	SCS13 stainless steel (Equivalent to SUS304)	SUS440C stainless steel Quenched and tempered	Equivalent to SWOSC-V steel	SUS304WPB stainless steel

Part Number	Plate Thickness	D (-0.05 $+0.10$)	D ₁ (h9)	D ₂	D ₃	L	H ₁	H ₂	H ₃	M	Dp
QCWESA1227-16S	6~16 *)	12	16	27	35	17.5	52	35	10	M2x0.4Depth4	23
QCWESA1636-20S	6~20 *)	16	20	36	50	21.5	66	44	14	M3x0.5Depth6	30

Part Number	Clamping Force (N)	Holding Force (N) **	Weight (g)	Locking Receptacles
QCWESA1227-16S	1000	2500	190	QCWES1225-B
QCWESA1636-20S	2000	5000	320	QCWES1634-B

*) The tolerance should be within ± 0.05 for 6mm-thick plates.

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

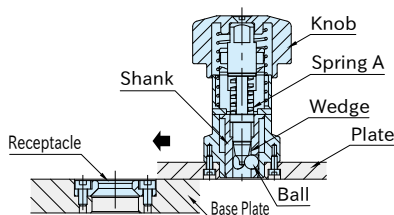
Supplied with

- **QCWESA1227-16S**:
4 of socket-head cap screws(stainless steel), M2X0.4-5L
- **QCWESA1636-20S**:
4 of socket-head cap screws(stainless steel), M3X0.5-6L

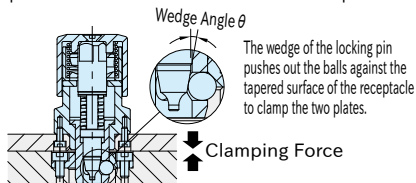
QCWES-B LOCKING RECEPTACLES



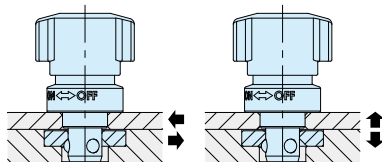
Feature



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



Mechanical Strength



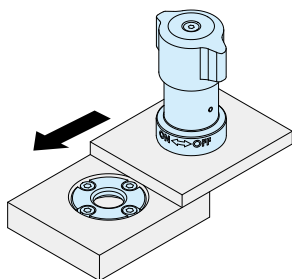
Shear Strength

Tensile Strength

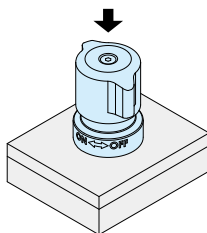
Part Number	Heat-resistant Temperature (°C)	Shear Strength (N)	Tensile Strength (N)
QCWESA1227-16S	180	10000	4000
QCWESA1636-20S		15000	8000

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

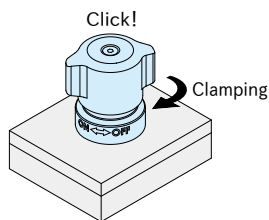
How To Use



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



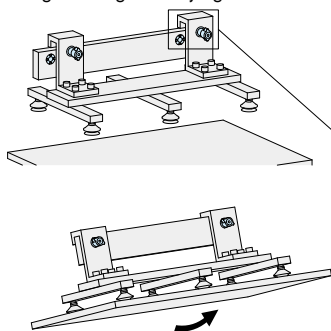
2. Insert the clamp pressing the knob.



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.

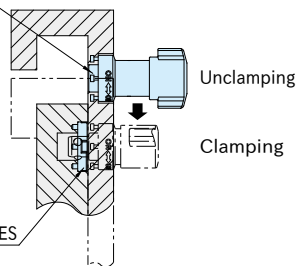
Application Example

Changes of large conveying unit



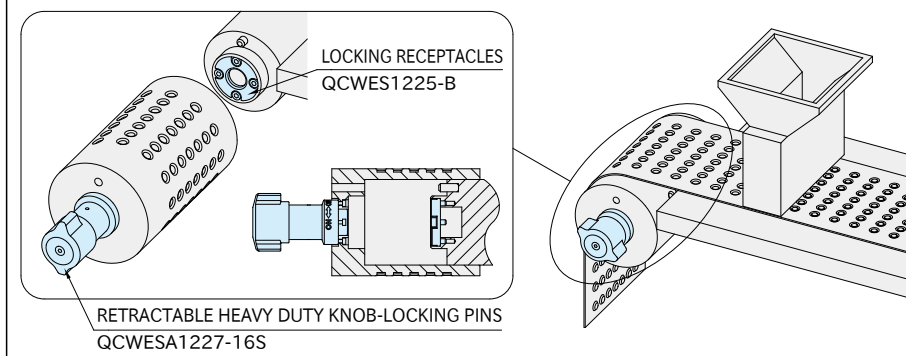
RETRACTABLE HEAVY DUTY
KNOB-LOCKING PINS
QCWESA1227-16S

LOCKING RECEPTACLES
QCWES1225-B

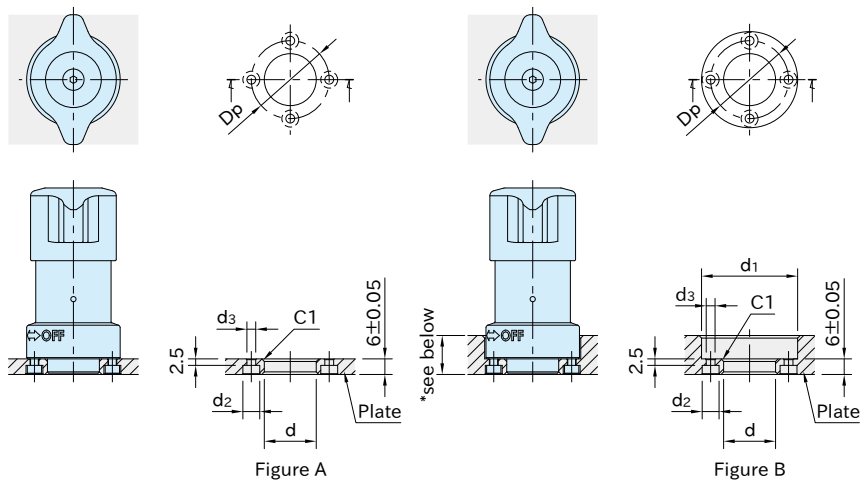


Application Example

Changes of rollers for blister packaging



How To Install

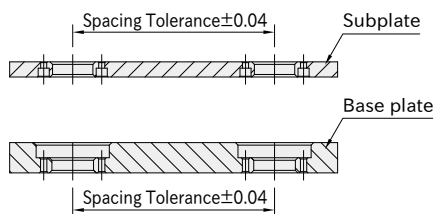


Part Number	Plate Thickness	Figure	d (+0.10 +0.05)	d ₁	d ₂	d ₃	Dp
QCWESA1227-16S	6	A	16	—	4.4	2.4	23
	Over 6, 16 or less	B		28			
QCWESA1636-20S	6	A	20	—	6.5	3.4	30
	Over 6, 20 or less	B		37			

*) Height to center of ON/OFF mark: **QCWESA1227-16S**: 12mm, **QCWESA1636-20S**: 15mm
For use with thick plates than above, add an ON/OFF mark as needed.

Accuracy

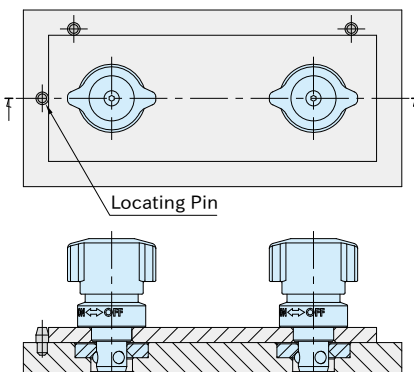
■ Machining Accuracy



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

■ Repeatability

Repeatability ± 0.2

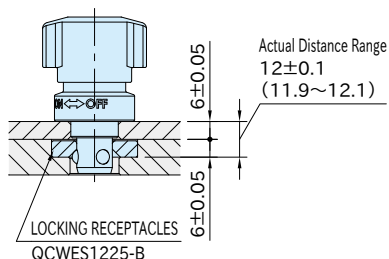
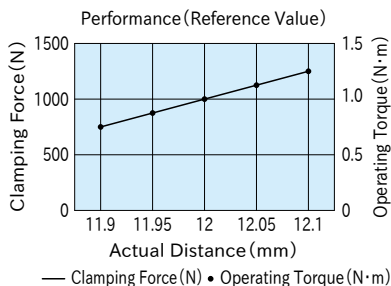


For higher accurate locating, use locating pins.

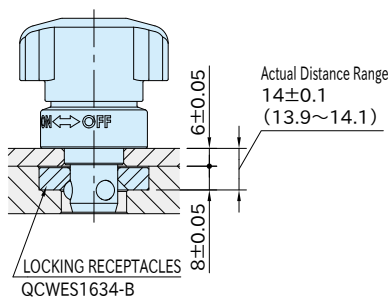
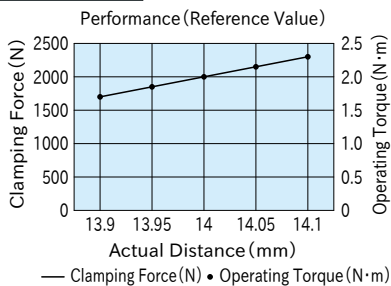
Performance Curve

■ Actual Mounting Distance vs. Clamping Force and Operating Torque

QCWESA1227-16S



QCWESA1636-20S



Reference

"How To Install" of [QCWES-B](#) Locking Receptacles