

QCWE

KNOB-LOCKING PINS



Stainless Steel



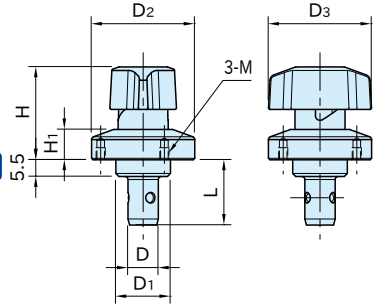
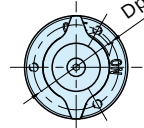
QCWE

QCWE-S

QCWE-SUS

(OFF position)

Stainless Steel



QCWE

(ON position)

★ Key Point

Secure clamping with wedge

Type	Body	Shank	Knob	Ball	Spring
QCWE	S45C steel Electroless nickel plated	S45C steel Electroless nickel plated Quenched and tempered	Polyamide (glass-fiber reinforced) Black	SUS440C stainless steel Quenched and tempered	SUS304WPB stainless steel
QCWE-S			SCS13 stainless steel (Equivalent to SUS304)		
QCWE-SUS	SUS303 stainless steel	SUS420J2 stainless steel Quenched and tempered			

Size	Proper Plate Thickness	D (-0.05 -0.10)	D ₁ (h9)	D ₂	D ₃	L	H	H ₁	M	D _p	Clamping Force(N)	Proper Receptacle	
QCWE	0625-10	6~10	6	14	25	25	19.5	24.5	6.5	M2×0.4 Depth 3	21	30	QCBU0608-M12 QCBU0608-M12SUS
QCWE-S													
QCWE-SUS	1034-14	6~14	10	18	34	34	21.5	31	10	M3×0.5 Depth 4	28	50	QCBU1012-M16 QCBU1012-M16SUS
	1034-20	12~20					27.5						

QCWE (Plastic Knob)		QCWE-S (Metal Knob)		QCWE-SUS (Stainless Steel)	
Part Number	Weight (g)	Part Number	Weight (g)	Part Number	Weight (g)
QCWE0625-10	40	QCWE0625-10S	50	QCWE0625-10-SUS	50
QCWE1034-14	95	QCWE1034-14S	120	QCWE1034-14-SUS	120
QCWE1034-20	100	QCWE1034-20S	130	QCWE1034-20-SUS	130

QCBU-M

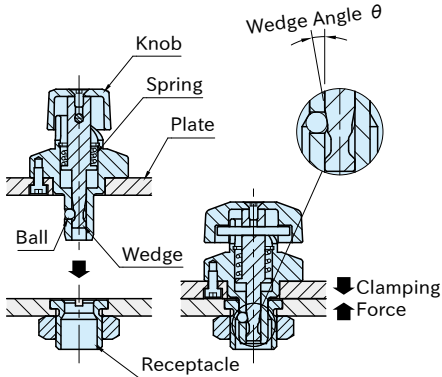
BALL-LOCK RECEPTACLES



Supplied With

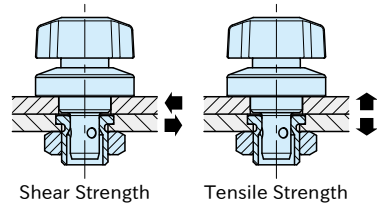
- QCWE QCWE-S QCWE-SUS 0625-10 :
3 of socket-head cap screws(stainless steel), M2×0.4-5L
- QCWE QCWE-S QCWE-SUS 1034-14, 1034-20 :
3 of socket-head cap screws(stainless steel), M3×0.5-6L

Feature



The wedge of the locking pin pushes out the ball onto the taper of the receptacle, for clamping of the two plates.

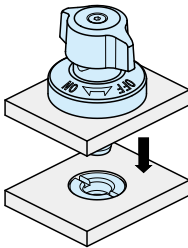
Technical Information



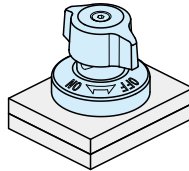
Size		Heatresistant Temperature(C)	Shear Strength (N)	Tensile Strength (N)
QCWE	0625-10	130	3000	500
	1034-14		9000	1500
	1034-20			
QCWE-S	0625-10	180	3000	500
QCWE-SUS	1034-14		9000	1500
	1034-20			

Shear and tensile strength is allowable load and the fastener breaks when it receives this load. The ball locking mechanism holds the two plates until the fastener receives bigger tensile load.

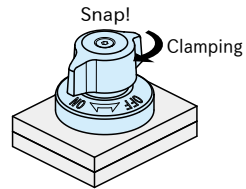
How To Use



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



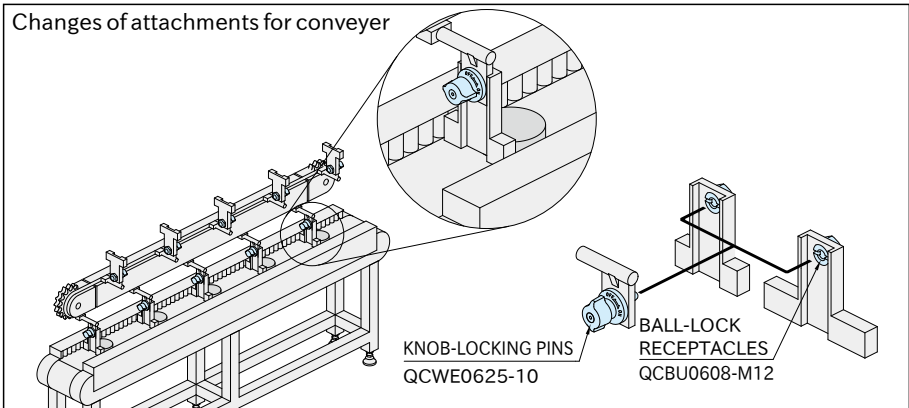
2. Insert the Knob-Locking Pin.



3. Turn the knob to the "ON" mark for clamping. The knob turns lightly by spring force. Note: For unclamping, follow back these steps.

Application Example

Changes of attachments for conveyer

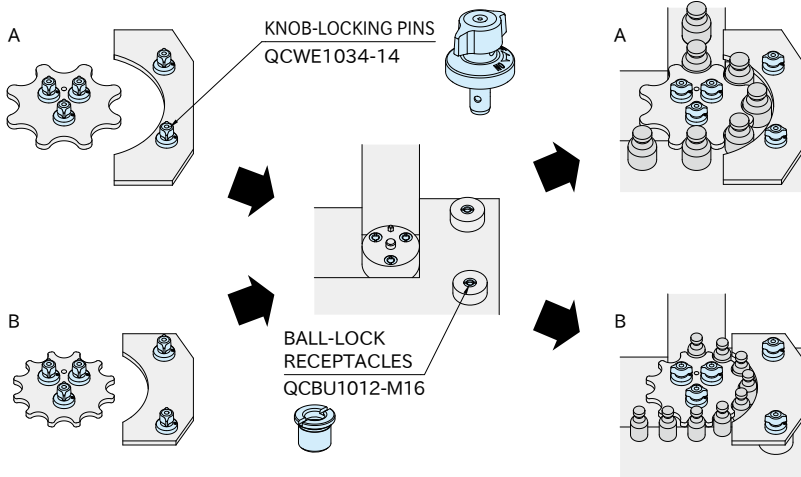


KNOB-LOCKING PINS
QCWE0625-10

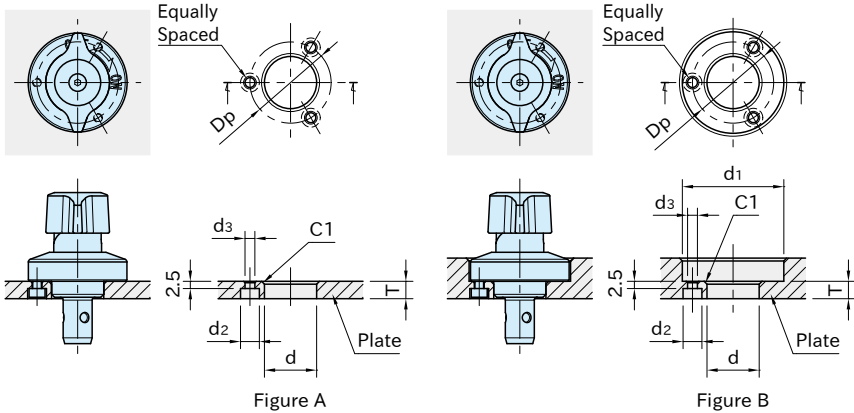
BALL-LOCK RECEPTACLES
QCBU0608-M12

Application Example

Changes of star wheels and guide plates



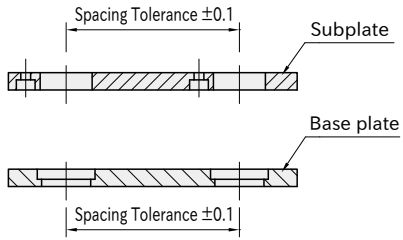
How To Install



Size	Proper Plate Thickness	Figure	d ($+0.10$ / $+0.05$)	d_1	T (± 0.2)	d_2	d_3	D_p
QCWE	0625-10	6	14	—	6	4.4	2.4	21
		Over 6, 10 or less		26				
QCWE-S	1034-14	6	18	—	12	6.5	3.4	28
		Over 6, 14 or less		35				
QCWE-SUS	1034-20	12	18	—	12	6.5	3.4	28
Over 12, 20 or less	35							

Accuracy

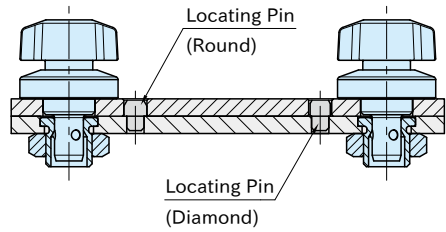
■ Machining Accuracy



Spacing tolerance on both the subplate and the base plate should be ± 0.1 .

■ Repeatability

Repeatability ± 0.25



For higher accurate locating, use locating pins.