QCBU / QCBUS BUTTON-LOCKING PINS

RoHS | Stainless Steel | Electroless Nickel Plated | Heat resistance: 180°C

IMAO

Wedge

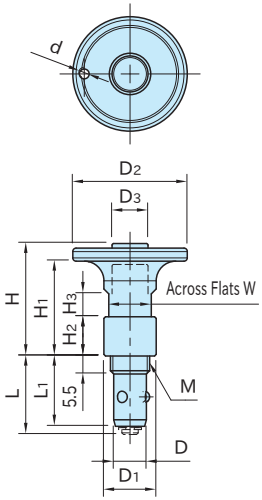
★Key Point
Secure clamping with wedge

QCBU
(Standard)

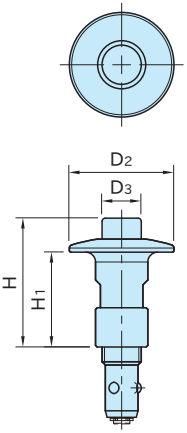
QCBU-SUS
(Stainless Steel)

QCBUS
(Cylindrical)

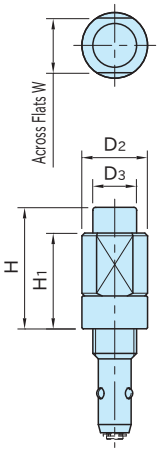
QCBUS-SUS
(Cylindrical,Stainless Steel)



QCBU



QCBU-SUS



QCBUS **QCBUS-SUS**

Part Number		Body	Button		Ball	Coiled Spring	Snap Ring	O-Ring
QCBU QCBUS	0608-10	S45C steel Electroless nickel plated	S45C steel	Electroless nickel plated Quenched and tempered	SUS440C stainless steel Quenched and tempered	SUS304WPB stainless steel	Stainless steel	FKM fluororubber
	1012-16							—
QCBU-SUS	0608-10	SUS303 stainless steel	SUS420J2 stainless steel					FKM fluororubber
QCBUS-SUS	1012-16							—

Part Number		Proper Plate Thickness	D $(^{-0.05}_{-0.10})$	M	D_1	L	L_1	H_2	W	Clamping Force(N)	Proper Receptacles
QCBU QCBUS	0608-10	6~10	6	M 8×1.25	12	21	19	6	10	30	QCBU0608-M12 QCBU0608-M12SUS
QCBU-SUS QCBUS-SUS	1012-16	6~16	10	M12×1.5 (Fine Thread)	16	23.5	21.5	12	13	50	QCBU1012-M16 QCBU1012-M16SUS

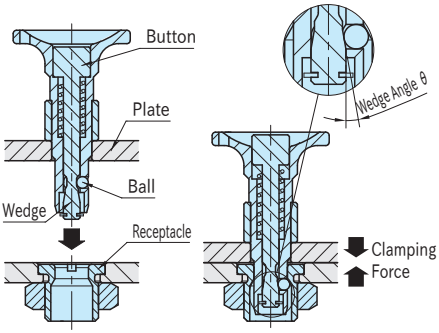
QCBU (Standard)							
Part Number	D_2	D_3	H	H_1	H_3	d	Weight (g)
QCBU0608-10	25	8	22	18	5.5	—	30
QCBU1012-16	35	11	34.5	29	7	3	75

QCBU-SUS (Stainless Steel)						
Part Number	D_2	D_3	H	H_1	H_3	Weight (g)
QCBU0608-10-SUS	23	8	26	18	5.5	30
QCBU1012-16-SUS	32	12	39.5	29	7	75

QCBUS (Cylindrical)						
Part Number	D_2	D_3	H	H_1	H_3	Weight (g)
QCBUS0608-10	12	8	22	17.5	11.5	30
QCBUS1012-16	16	11	34.5	28	16	50

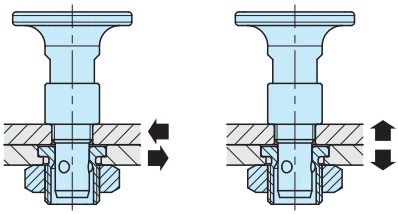
QCBUS-SUS (Cylindrical,Stainless Steel)						
Part Number	D_2	D_3	H	H_1	H_3	Weight (g)
QCBUS0608-10SUS	12	8	22	17.5	11.5	30
QCBUS1012-16SUS	16	11	34.5	28	16	50

Feature



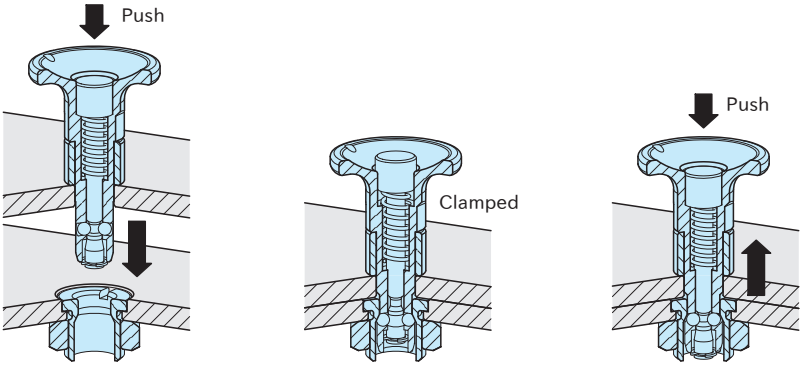
The wedge of the locking pin pushes out the ball onto the taper of the receptacle, for clamping of the two plates.

Technical Information



Part Number		Heatresistant Temperature (℃)	Shear Strength (N)	Tensile Strength (N)
QCBU QCBUS QCBU-SUS QCBUS-SUS	0608-10	180	3000	500
	1012-16		9000	1500

How To Use



1. Insert the pin pressing the button.
2. When the button is released,plates are clamped.
3. For removal, pull out the pin pressing the button.

QCBU-M Ball-Lock Receptacles

Note

For cylindrical types, prepare handles or knobs separately to facilitate the operation. Use of cylindrical type requires handles or knobs separately to operate the product properly.

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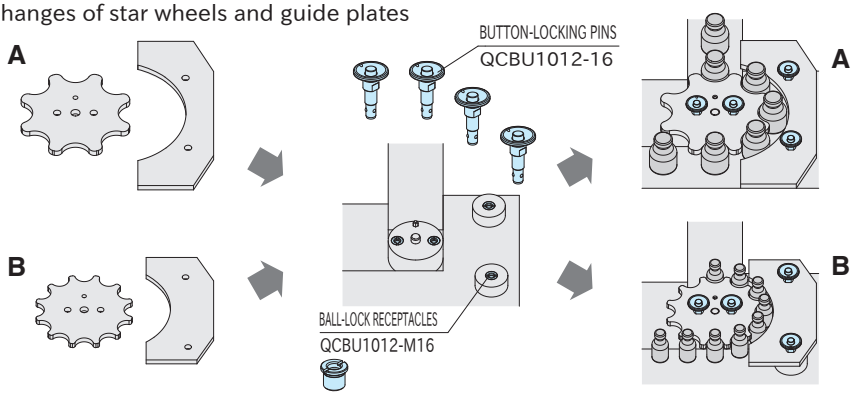
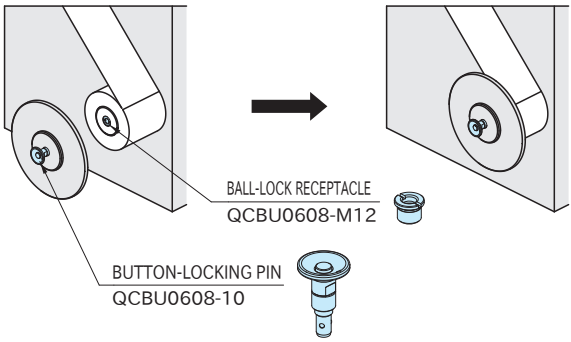
Application Example

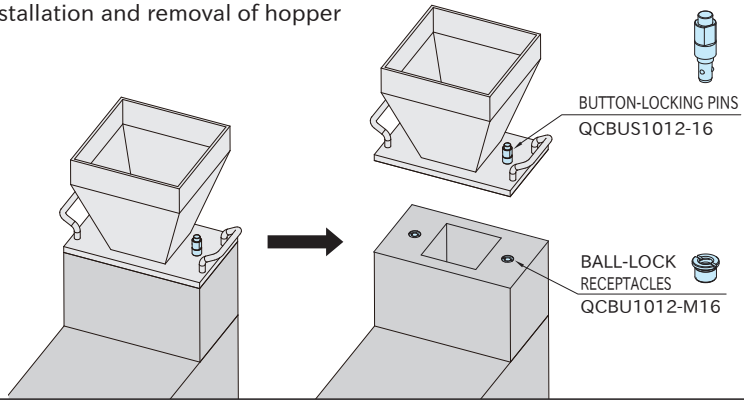
Changes of star wheels and guide plates



Installation and removal of stopper plate for rolls

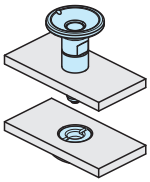


Installation and removal of hopper



How To Install

Fixed Installation



Part Number		Proper Plate Thickness	Figure	M	d_2
QCBU QCBUS QCBU-SUS QCBUS-SUS	0608-10	6	A	M 8×1.25	—
		Over 6, 10 or less	B		13
	1012-16	6	A	M12×1.5 (Fine Thread)	—
		Over 6, 16 or less	B		17

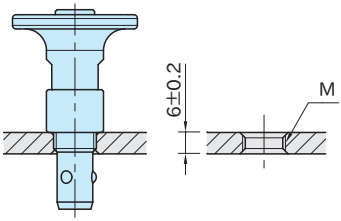


Figure A

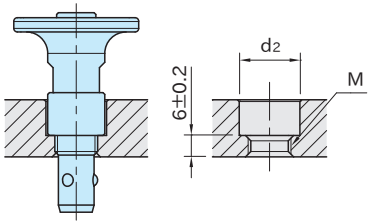
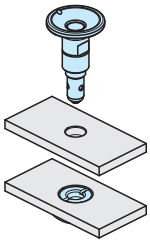


Figure B

Unfixed Installation (Except QCBUS QCBUS-SUS type)



Part Number		Proper Plate Thickness	Figure	d_1 $(^{+0.1}_{0})$	d_2
QCBU QCBU-SUS	0608-10	6	C	8	—
		Over 6, 10 or less	D		13
	1012-16	6	C	12	—
		Over 6, 16 or less	D		17

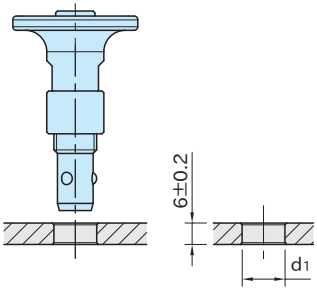


Figure C

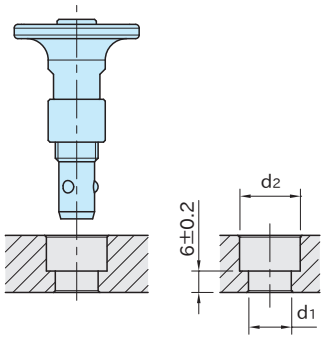


Figure D

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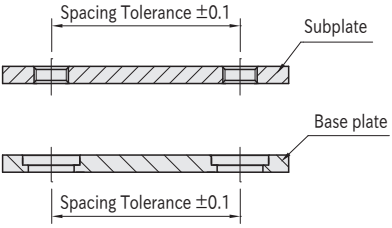
Accuracy

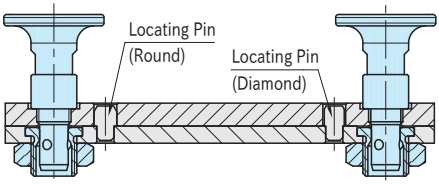
■Machining Accuracy



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

■Repeatability

Repeatability is ±0.25 for both fixed and unfixed installations.



For higher accurate locating, use locating pins.