QCOW / QCOWS SNAP-IN CLAMPS

IMAO

Wedge

QCOW
（Stainless Steel）

QCOWS
（Cylindrical, Stainless Steel）

Body/Button	Ball	Spring
SUS303 stainless steel	SUS440C stainless steel Quenched and tempered	SUS304WPB stainless steel

Across Flats 17

φ32
φ11
φ19
φ11

23
15.5
8.5
9.5
Across Flats 17
M16×1 (Fine Thread)
φ19

Across Flats 17

23
19.5
9.5
M16×1 (Fine Thread)

QCOW
（Stainless Steel）
φ6 +0.4/+0.2

QCOWS
（Cylindrical, Stainless Steel）
φ6 +0.4/+0.3
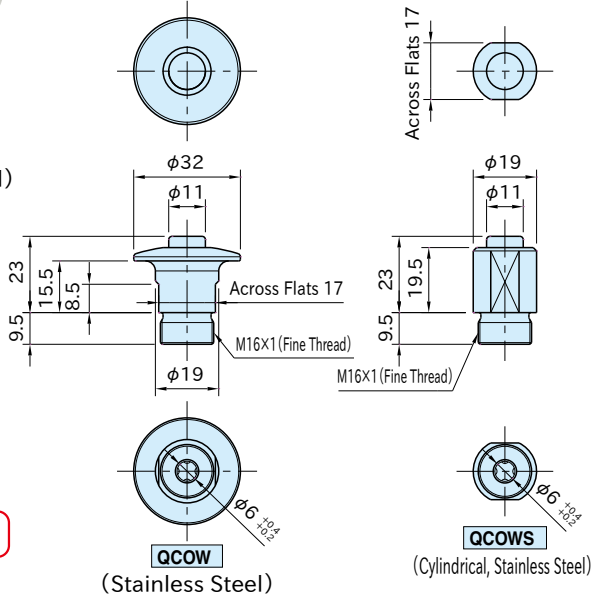
★Key Point
Quick & easy snap-in operation

Part Number	Plate Thickness	Clamping Force (N)	Holding Force (N)*)	Weight (g)	Clamping Pin
QCOW 0616-10SUS	3～10	6	100	65	QCPC0625-M4-SUS
QCOWS0616-10SUS	3～27			50	

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

QCOW SPACERS

IMAO

φ19
φ16 +0.2/+0.1
H
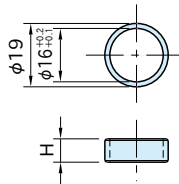
Spacer
SUS303 stainless steel

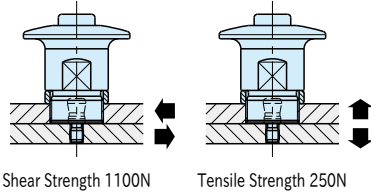| Part Number	Plate Thickness	H (±0.05)	Weight (g)	Snap-In Clamps
QCOW0616-04-SUS	6	4	2.5	QCOW0616-10SUS QCOWS0616-10SUS
QCOW0616-05-SUS	5	5	3	
QCOW0616-06-SUS	4	6	3.5	
QCOW0616-07-SUS	3	7	4	

QCPC-M	CLAMPING PINS

Feature
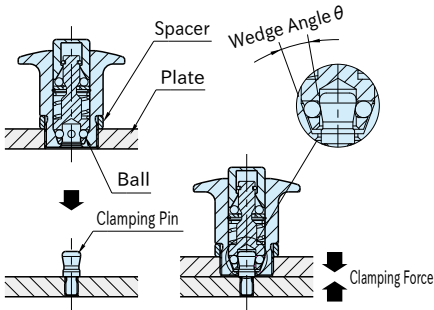
Four balls hold the Clamping Pin to pull the plate for clamping.

Mechanical Strength

Heatresistant Temperature   180℃

Shear Strength 1100N

Tensile Strength 250N

Shear and tensile strength is allowable load and the fastener could break when it receives bigger load.
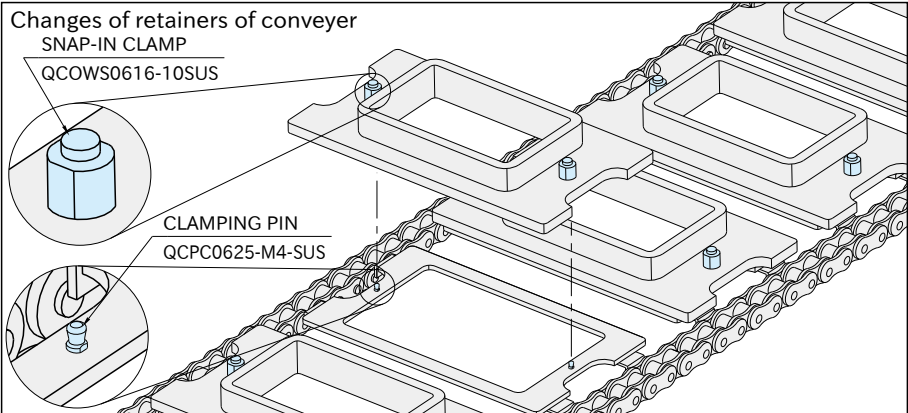
How To Use
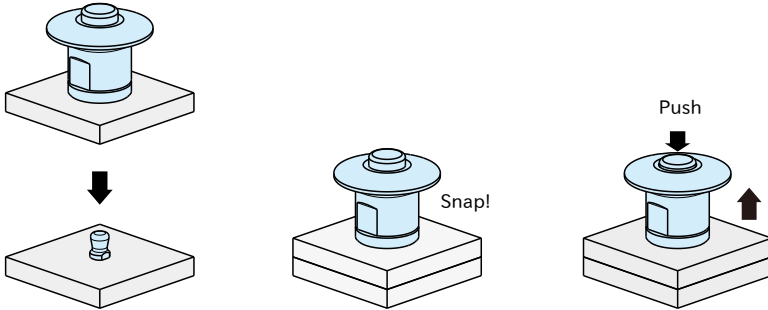
1. Put Snap-In Clamp over the Clamping Pin. No need to push the button.

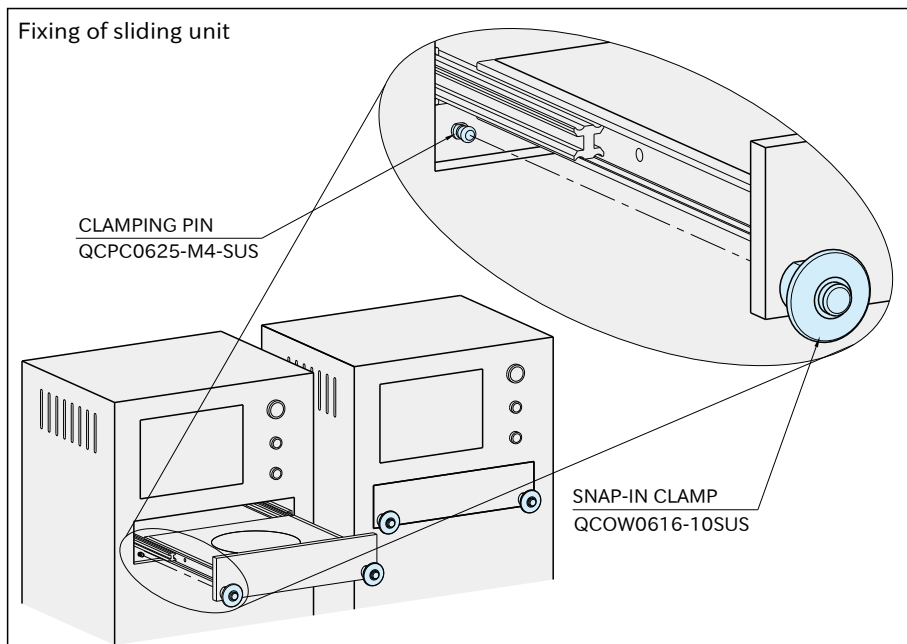2. Clamped instantly as the pin is inserted.

3. For unclamping, push the button and pull the clamp.
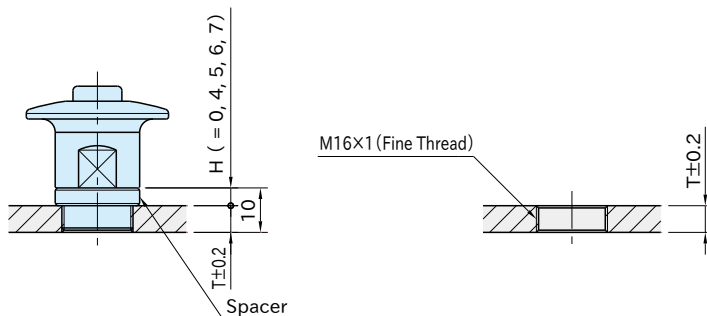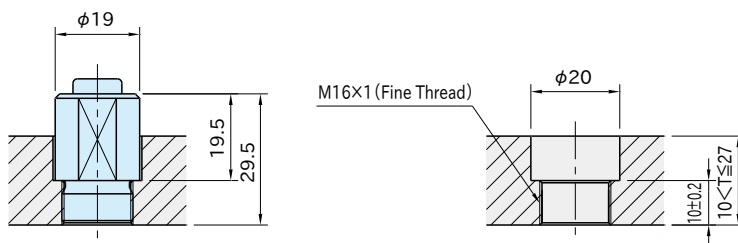
Application Example

Changes of retainers of conveyer

SNAP-IN CLAMP
QCOWS0616-10SUS

CLAMPING PIN
QCPC0625-M4-SUS

Fixing of sliding unit

CLAMPING PIN
QCPC0625-M4-SUS

SNAP-IN CLAMP
QCOW0616-10SUS

For 3 to 10mm-thick plate

H (= 0, 4, 5, 6, 7)

10

T±0.2

Spacer

M16×1 (Fine Thread)

T±0.2

For over 10mm-thick plate

φ19

19.5

29.5

M16×1 (Fine Thread)

φ20

10±0.2

10<T≦27

Accuracy

■Machining Accuracy

Spacing Tolerance ±0.1

Subplate

Base plate

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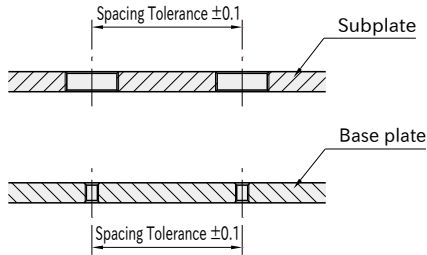
Spacing tolerance on both the subplate and the base plate should be ±0.1.

■Repeatability

Repeatability ±0.25

Locating Pin
（Round）

Locating Pin
（Diamond）
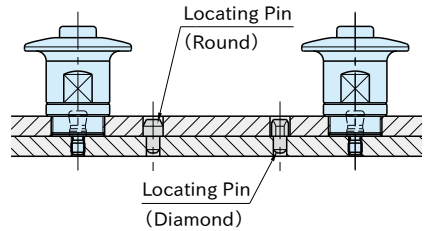
For higher accurate locating, use locating pins.

Note

For cylindrical QCOWS Snap-In Clamps, prepare handles or knobs separately to facilitate the operation.

Reference

"How To Install" of QCPC-M Clamping Pins