

Type	Body	Knob	Shafts / Wedge	Ball Plunger
QCSL-OG	Die-cast zinc Chrome plated	Polyamide (glass-fiber reinforced)	Stainless steel	Polyacetal
QCSL-BK				
QCSL-S		SCS13 stainless steel (Equivalent to SUS304)		



QCSL-OG

(Plastic Knob, Orange)



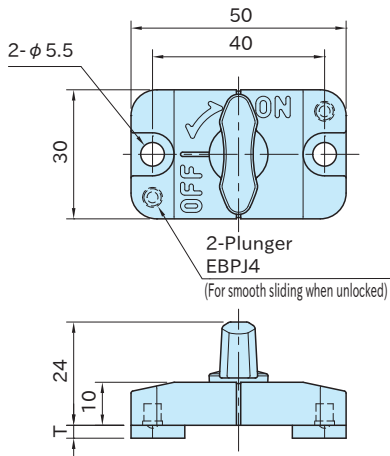
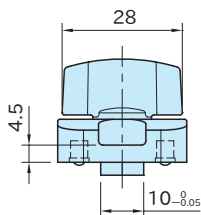
QCSL-BK

(Plastic Knob, Black)



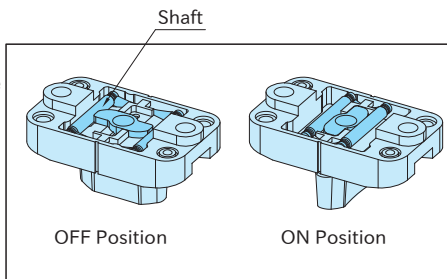
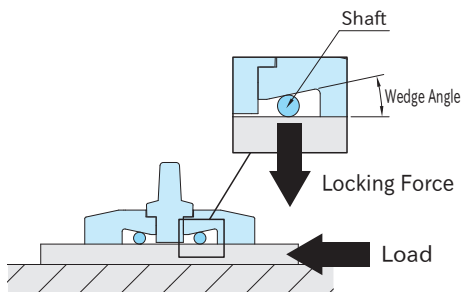
QCSL-S

(Metal Knob)



■ Locking Mechanism

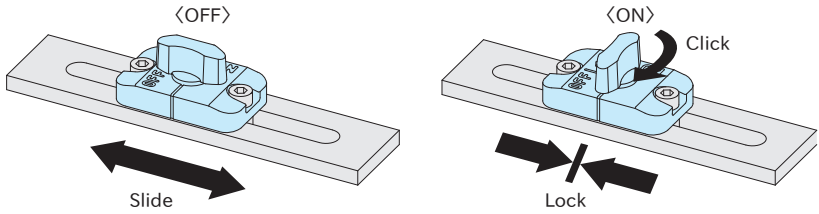
The shafts are locked being pushed into the wedged spaces when sliding load is applied in horizontal direction.



QCSL-OG (Plastic Knob, Orange)		QCSL-BK (Plastic Knob, Black)		QCSL-S (Metal Knob)		T (^{+0.2})
Part Number	Weight (g)	Part Number	Weight (g)	Part Number	Weight (g)	
QCSL1003-OG	80	QCSL1003-BK	80	QCSL1003-S	95	3
QCSL1006-OG	80	QCSL1006-BK	80	QCSL1006-S	95	6

How To Use

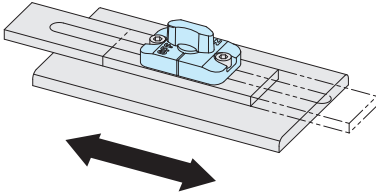
Operating Instructions



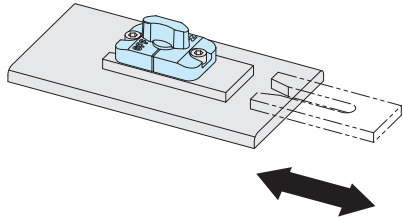
The slide is locked when the knob is at “ON” position.

Usage Instructions * Refer to the “Note” for safety use.

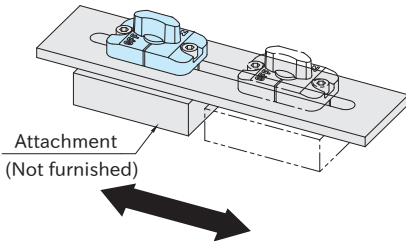
1. Slide the steel bar.



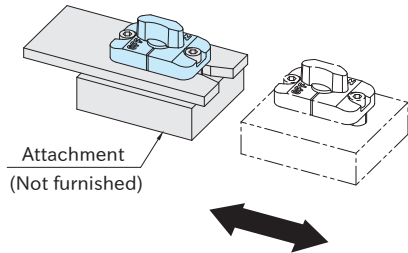
2. Attach/remove the steel bar.



3. Slide the Sliding Locks For Slotted Hole.

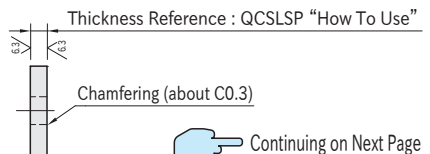
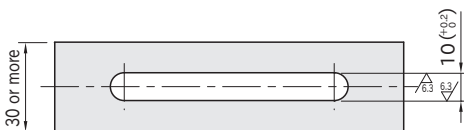


4. Attach/remove the Sliding Locks For Slotted Hole.



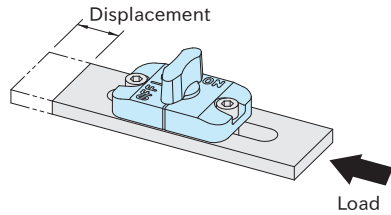
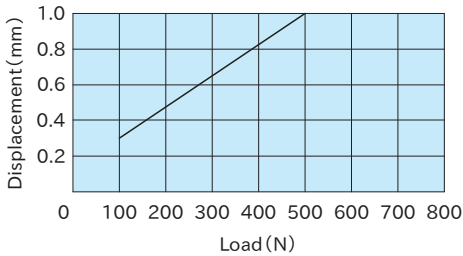
Steel Bar Materials

- Usable Materials: Flat bar (JIS h14 grade) made of SS400, S45C or SUS304 etc.
- Machining of slotted hole: Recommended tolerance of the slotted hole to prevent chattering is shown as below.
For more accurate sliding, machine the slotted hole to fit the dimension of 10mm(-0.05 to 0) on the bottom of Sliding Locks. Remove the burr around the slotted hole to ensure secure locking.



Performance Curve

■ The displacement of steel bar by axial load (Static load from single direction)



Note: The above data is for a flat bar made of SUS304 stainless steel, SS400 steel and S45C steel.
Using an aluminum flat bar, the surface will be scratched or dent by applied load.

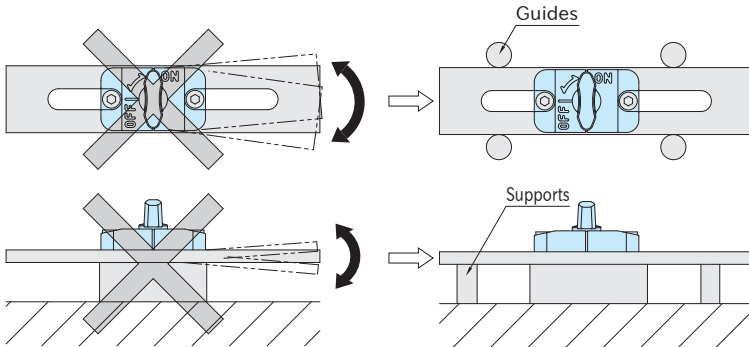
Technical Information

- Heat resistance : Up to 90°C
- Rated load : Up to 500N

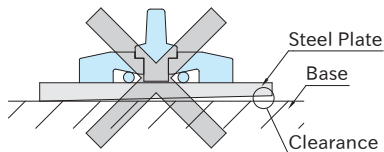
Note

The following conditions may cause displacement increasing or misalignment.

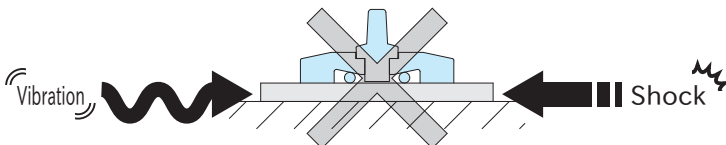
1. Use under slippage or chattering caused by vertical or horizontal loads



2. Use with a clearance between the steel bar and the base when the Sliding Locks at "ON" position.



3. Use under excess shock or vibration

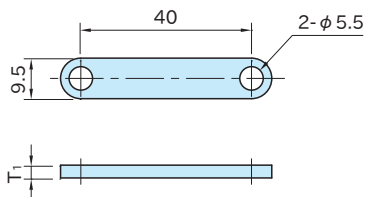


QCSLSP

RISER PLATES FOR SLIDING LOCK



Body
SUS304 stainless steel

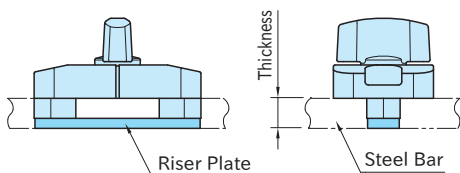


Part Number	T ₁ (±0.1)	Weight (g)
QCSLSP1002	2	6
QCSLSP1003	3	10

How To Use

How to Use Riser Plate

Can be used for various steel thicknesses by attaching the Riser Plates (to be ordered separately).



Type	Part No. of Riser Plates	Thickness of Steel Bar(h14) (mm)	
QCSL	1003	—	3 ⁽⁰⁾ _(-0.25)
		QCSLSP1002	5 ⁽⁰⁾ _(-0.3)
	1006	—	6 ⁽⁰⁾ _(-0.3)
		QCSLSP1002	8 ⁽⁰⁾ _(-0.36)
	QCSLSP1003	9 ⁽⁰⁾ _(-0.36)	

How to Use Scale Plate

- You can read the scale with the line on the body of Sliding Lock.
- **ES1N** Scale Plate is separately available.

