# QLSCL LOW-PROFILE CAM EDGE CLAMPS

NEW RoHS

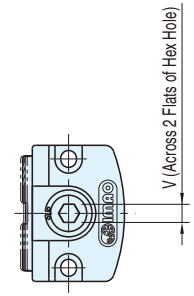
With Handle

Without Handle

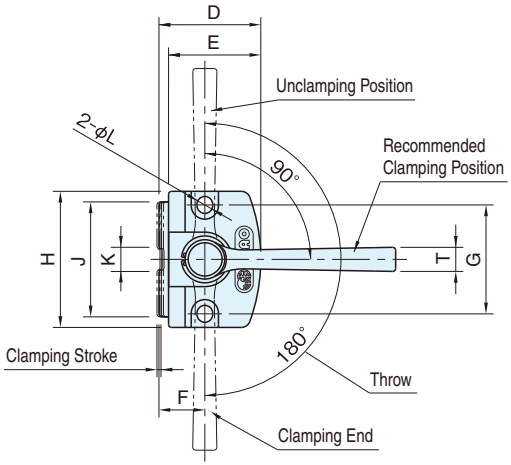
[Body]
Material : S45C steel
Finish : Black oxide

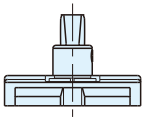
[Jaw / Cam]
Material : SCM440 steel
Heat treat : Quenched and tempered
Finish : Black oxide

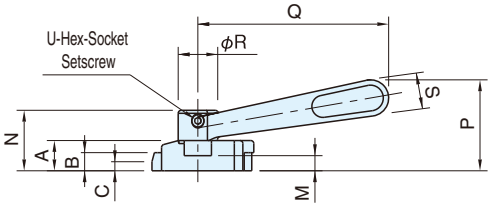
[Handle]
Material : S45C steel
Heat treat : Quenched and tempered
Finish : Black oxide




Without Handle






With Handle

| Series | Clamping Stroke | A | B | C | D | E | F | G | H | J | K | L | M | Clamping Mechanism |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **QLSCL10** | 1 | 10 | 6 | 3 | 33.5 | 30.5 | 15 | 36 | 45 | 38 | 8 | 5.2 | 5 | Spiral Cam Cam Angle : 4° |
| **QLSCL15** | 2 | 15 | 9 | 5 | 50 | 46 | 22 | 55 | 70 | 60 | 12 | 8.2 | 7 | |

**With Handle**

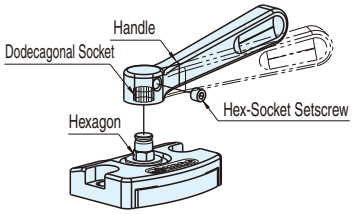
| Part Number | N | P | Q | R | S | T | U | Allowable Operating Load (N) *) | Clamping Force (N) | Weight (g) |
|---|---|---|---|---|---|---|---|---|---|---|
| **QLSCL10R** | 20 | 30 | 63 | 13 | 12 | 8 | M4X0.7- 4L | 170 | 4,000 | 130 |
| **QLSCL15R** | 30 | 46 | 100 | 19 | 18 | 12 | M5X0.8- 5L | 280 | 6,000 | 440 |

*) Allowable load to operate the handle

**Without Handle**

| Part Number | V | Allowable Screw Torque (N•m) | Clamping Force (N) | Weight (g) |
|---|---|---|---|---|
| **QLSCL10NR** | 6 | 10 | 4,000 | 85 |
| **QLSCL15NR** | 10 | 27 | 6,000 | 290 |

How To Change Handle Position

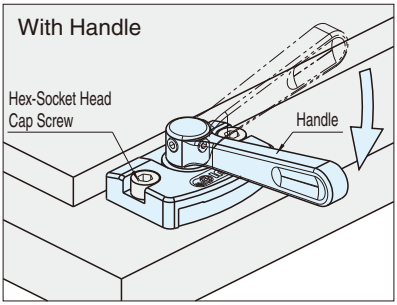



The handle has the dodecagonal socket to allow changing the handle position by 30°

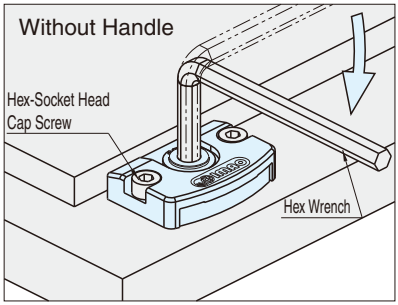
## Feature:

Designed to prevent part lift

## How To Use

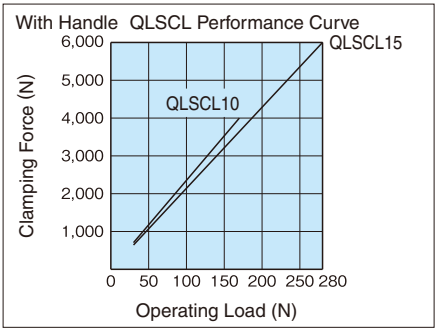


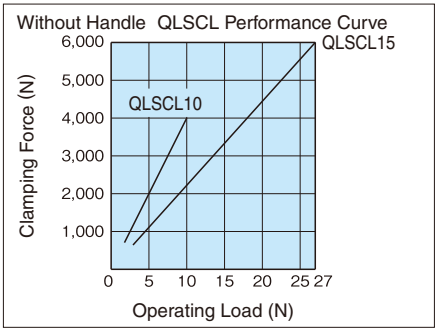

Turning the handle allows the cam to project the jaw for clamping. When the handle is turned back for unclamping, the loaded spring lets the jaw return to the original position.




Use the without-handle style in applications where the handle lies in the way.

## Technical Data




## Note:

Ensure that mounting surfaces are finished to ▽▽ (6.3a) or better, without any scratches or dents.