QLRCW STABLELOCK THRUST CLAMPS

RoHS

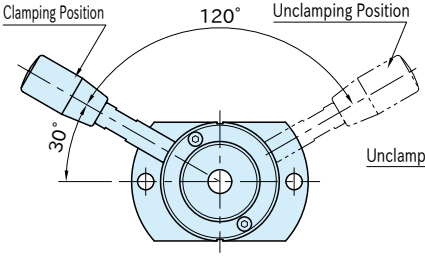
IMAO

Wedge

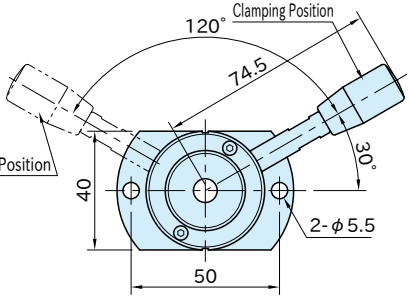
★Key Point

Works in 2 ways as a pull and thrust clamp

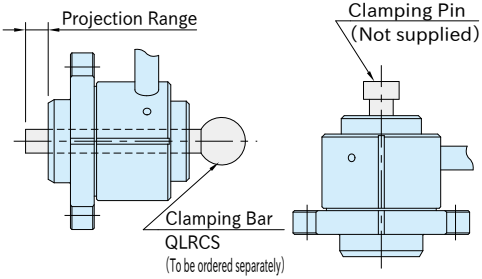
Body, Collet	Cover, Lever Arm	Handle
Pre-hardened steel Electroless nickel plated	S45C steel Electroless nickel plated	Phenolic plastic Black

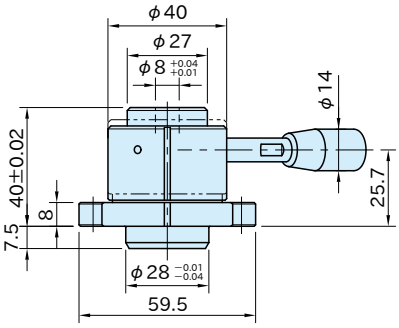


QLRCW40L-050
Counterclockwise Clamping



■For use as Thrust Clamp ■For use as Pull Clamp





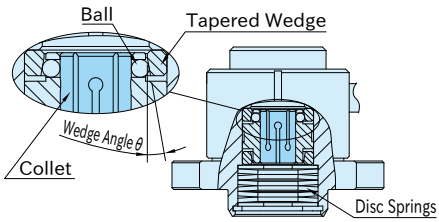
QLRCW40R-050
Clockwise Clamping

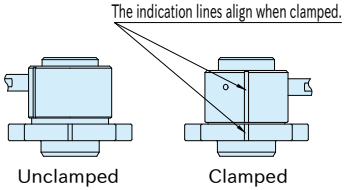
Part Number	Clamping Direction	Operating Load (N)	Clamping Force (kN)	Weight (g)	Clamping-Bar	Projection Range
QLRCW40R-050	CW	80	0.5	410	QLRCS-08100	0～ 51.5
					QLRCS-08125	0～ 76.5
QLRCW40L-050	CCW				QLRCS-08150	0～101.5

Note: Ensure that the clamping bar is in close contact with the workpiece when clamping.

Feature

・Available as both a pull clamp and a thrust clamp.
・By turning the handle, the balls are pushed out by the tapered surface to compress the collet and hold the shaft.
・Spring-loaded clamping ensures constant clamping force.
・The long clamping bar projection range is suitable for thrust clamping of recessed parts.
・Clamping bar should be ordered separately. When using your own clamping bar, ensure that the diameter is finished to h9 or better tolerance.



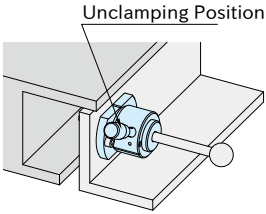


・The indication line clearly shows clamping/unclamping position.

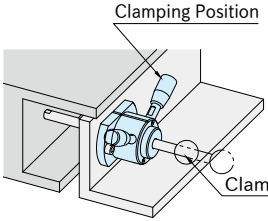
How To Use

■Clockwise Operation of Thrust Clamp

※Invert the operation for CCW type.



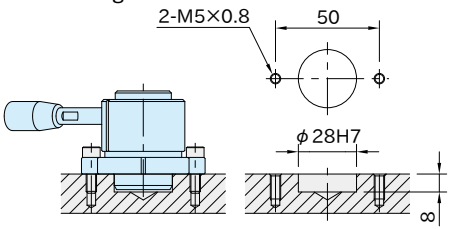
1.Unclamped
Load a workpiece.



2.Clamping Setup
Project the clamping bar until it contacts the workpiece.

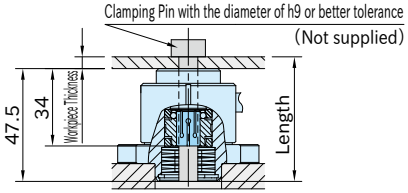
3.Clamping
Turn the handle by 120° to clamp.

■Mounting-Hole Dimension



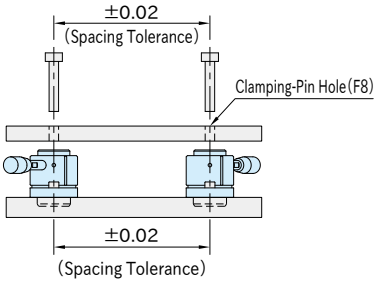
■Clamping Pin Length for Pull Clamp

Please refer to the following value for the clamping pin length.
Min. Length : 34 + Workpiece Thickness
Max. Length : 47.5 + Workpiece Thickness



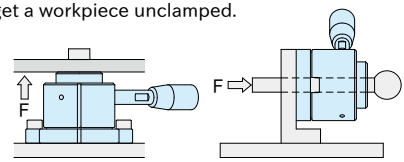
■How to Locate Workpiece for Pull Clamp

Locating Repeatability ±0.06



Note

When a force from the back side (F) is greater than 0.5 kN, the clamping bar or pin will slide back to get a workpiece unclamped.



Reference

QLRCS CLAMPING BARS