

QLSWW

STABLELOCK SWING CLAMPS

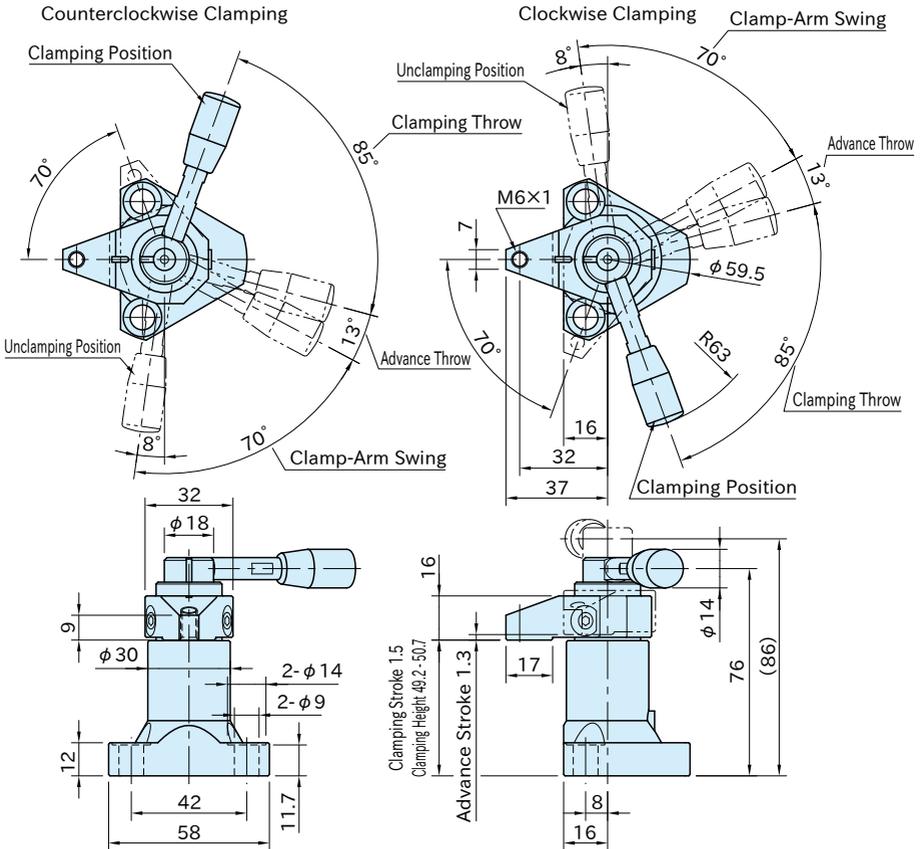


★ Key Point

Click to confirm consistent clamping



Body, Lever Arm	Cylinder	Arm
S45C steel Electroless nickel plated	SCM440 steel Electroless nickel plated	S45C steel Quenched & tempered Electroless nickel plated
Cam Shaft	Handle	
SCM415 steel Carburized-hardened Electroless nickel plated	Phenolic plastic Black	

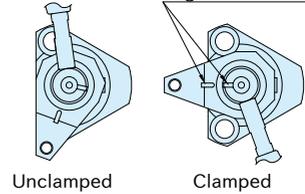
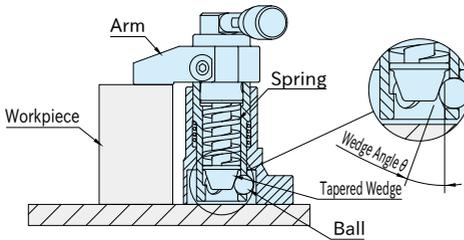


Part Number	Clamping Direction	Operating Load (N)	Clamping Force (kN)	Weight (g)
QLSWW30R-100	CW	80	1 (0.5~1.5)	480
QLSWW30L-100	CCW			

Note : The above operating load and clamping force are obtained when clamping the workpiece at the midpoint of the clamping stroke.
The clamping force varies within the above range depending on the amount of compression of the spring.

Feature

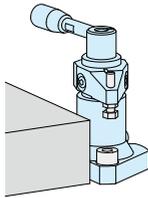
- Turning the handle swings the arm into position. As the arm contacts the workpiece, the spring is compressed and the tapered surface pushes the balls out to clamp the workpiece.
- Provides constant clamping force with mechanical positive locking and spring force.



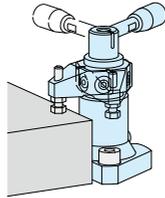
- The indication line clearly shows clamping/unclamping position.

How To Use

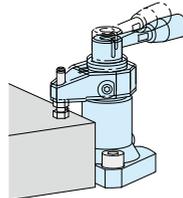
Operation of CW Type ※Invert the operation for CCW type.



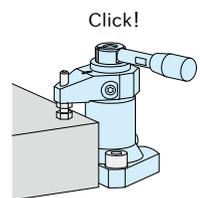
1. Unclamped
Load a workpiece.



2. Arm Swing
Turn the handle to set the arm in position.

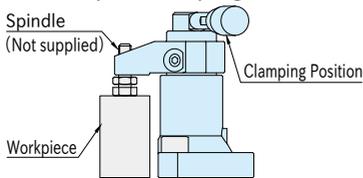


3. Clamping Setup
Continue turning the handle to set the arm close to the workpiece.

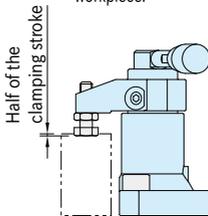


4. Clamping
Turn the handle to the clamping position. The handle clicks when clamping is completed.

How to Adjust Clamping Position



1. Make the spindle contact the workpiece fully at clamping position.



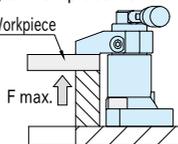
2. Project the clamping spindle by roughly half of the clamping stroke and fix it with the nut.



3. Adjustment is done.

Technical Information

■ Allowable Loads in Machining of Workpiece Bottom
Ensure that any force more than 1.8kN is not applied to the workpiece bottom.



Related Products

A gripper or a screw can be attached to the M6 threaded hole on the arm.
Such clamping screws are also available from us.

