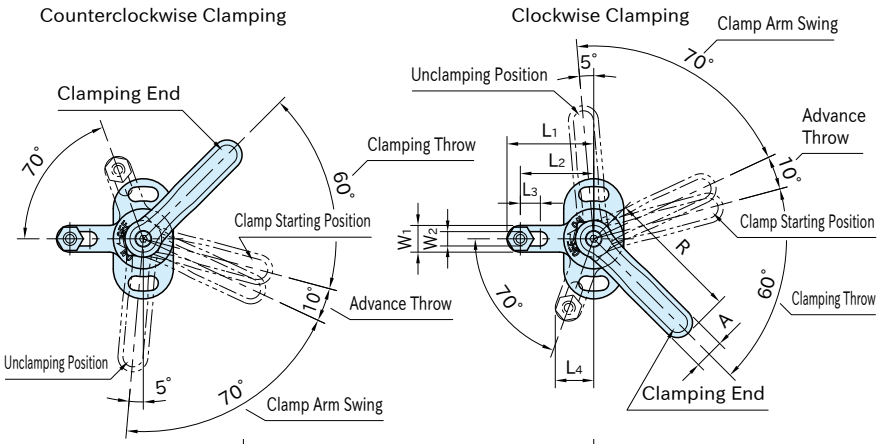
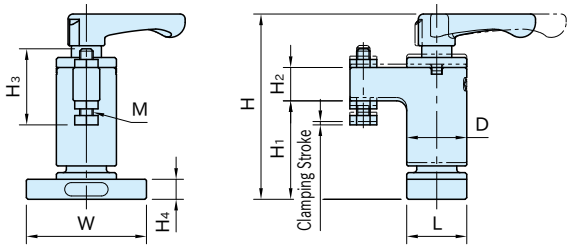
QLSWC SPRING SWING CLAMPS

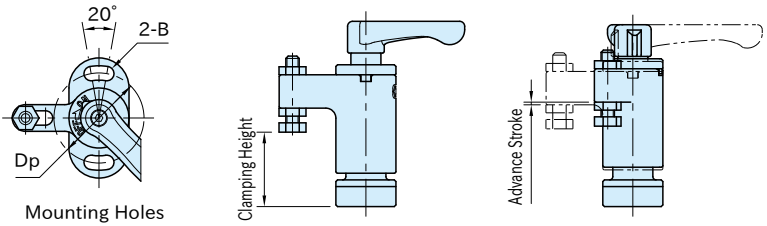
★Key Point

Handle clicks at the clamping end point.

Body	Arm	Cam Shaft
S45C steel Quenched and tempered Electroless nickel plated	SCM440 steel Quenched and tempered Electroless nickel plated	SKS3 steel Quenched and tempered Electroless nickel plated
Clamping Spindle	Handle	
Brass	Polyamide (glass-fiber reinforced) Orange	







Part Number	Clamping Direction	Clamping Height *) Min.	Clamping Height *) Max.	Clamping Stroke	Advance Stroke	L_2	L_3	L_1	L_4	W	L	H_4	B
QLSWC18R-18	CW	19.5 (19-20)	24.5 (24-25)	1	0.8	22	6	26	11.5	36	18	6	4.3
QLSWC18L-18	CCW												
QLSWC23R-32	CW	29 (28.3-29.7)	33 (32.3-33.7)	1.4	1.1	30	8	35	15.3	45	23	8	5.3
QLSWC23L-32	CCW												
QLSWC30R-55	CW	32.5 (31.7-33.2)	39 (38.2-39.7)	1.5	1.4	37		45	20.7	65	30	12	8.4
QLSWC30L-55	CCW												

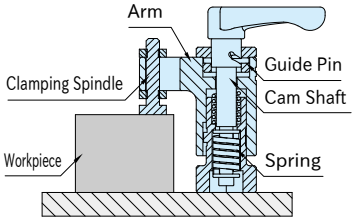
*)Clamping height is adjustable within the listed range.

Part Number	Dp	H	D	W_1	W_2	H_2	H_1	M	H_3	R	A	Clamping Force (N) **)	Weight (g)
QLSWC18R-18	27	55	18	8	4.3	10	30	M4×0.7	22.8	40	9	180 (150-210)	100
QLSWC18L-18													
QLSWC23R-32	34	72	23	10	5.3	14	40	M5×0.8	28.5	50	11	320 (250-390)	210
QLSWC23L-32													
QLSWC30R-55	48	92	30	16	8.4	18	50	M8×1.25	40.5	63	13	550 (450-650)	500
QLSWC30L-55													

**) Values at the midpoint of the clamping stroke. It varies within the listed range depending on the contact point of the clamping spindle that decides the spring tension.

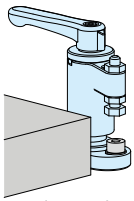
Feature

- Turn the handle after the arm swings into position, the cam shaft rotates along the guide pin to push down the arm. The clamping spindle contacts the workpiece and the cam shaft moves up and compresses the spring to clamp the workpiece.
- Easy clamping with one touch operation. Handle clicks at the clamping end point.
- Spring-loaded clamp provides constant clamping force with every cycle.

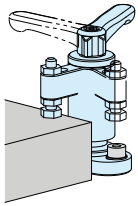


How To Use

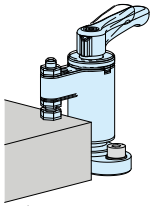
■Operation of CW Type (Invert the operation for CCW type.)



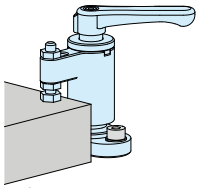
1. Unclamped
Load a workpiece.



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

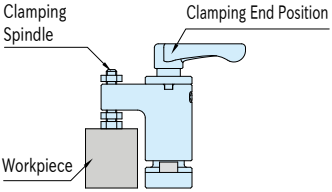


3. Clamping Setup
Continue turning the handle to set the spindle close to the workpiece.

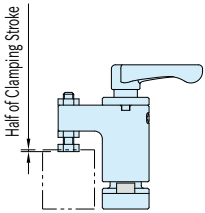


4. Clamping
Turn the handle to the clamping end position where the handle clicks.

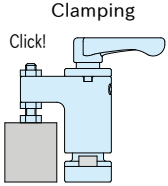
■How to Adjust Clamping Height



1. Adjust the clamping spindle until it contacts the workpiece at the clamping end position.



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



3. Setting Completed