

QLSWC

SWING CLAMPS WITH CAM HANDLE



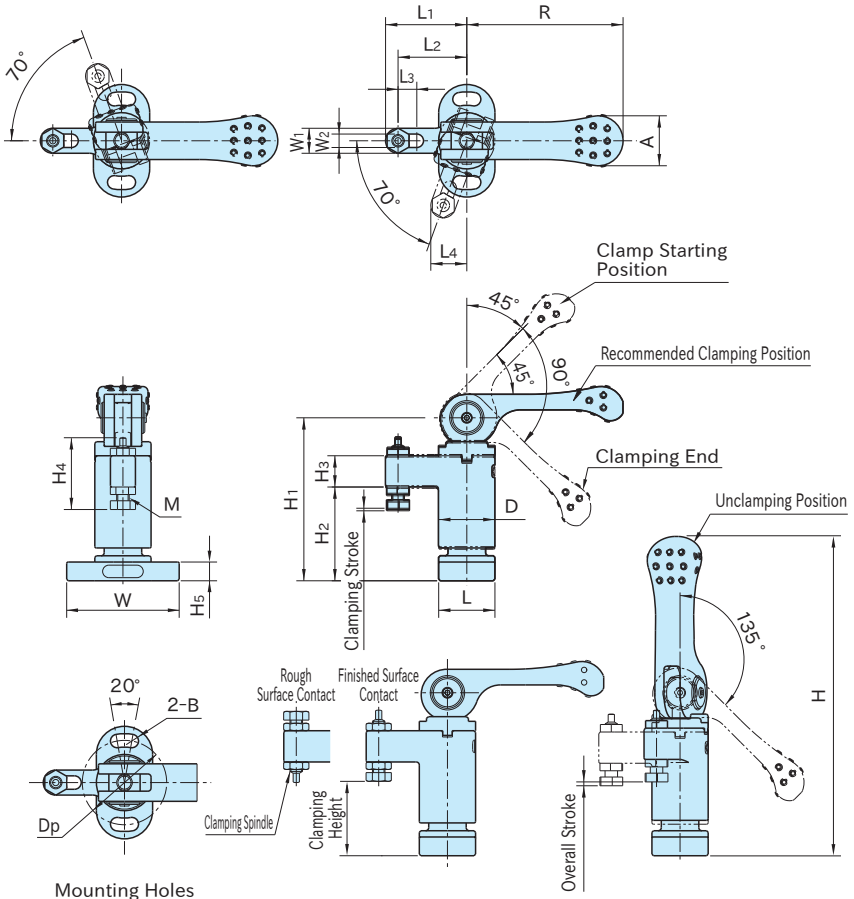
(Black Oxide Finish) (Electroless Nickel Plated)

Style	Body/Washer/Clamping Spindle	Arm/Handle
QLSWC	S45C steel Quenched and tempered Black oxide finish	SCM440 steel Quenched and tempered Black oxide finish
QLSWC-NP	S45C steel Quenched and tempered Electroless nickel plated	SCM440 steel Quenched and tempered Electroless nickel plated

On Request

Counterclockwise Clamping

Clockwise Clamping



Mounting Holes

Part Number	Clamping Direction	Clamping Height *)				Clamping Stroke	Overall Stroke	L ₂	L ₃	L ₁	L ₄	W	L	H ₅	B
		Finished Surface Contact		Rough Surface Contact											
		Min.	Max.	Min.	Max.										
QLSWC100VR	CW	22.8	24.8	22.4	24.4	0.8	1.2	22	6	26	11.5	36	18	6	4.3
QLSWC100VL	CCW	(22.4~23.2)	(24.4~25.2)	(22~22.8)	(24~24.8)										
QLSWC150VR	CW	31.3	33.3	32.2	34.2	1	1.5	30	8	35	15.3	45	23	8	5.3
QLSWC150VL	CCW	(30.8~31.8)	(32.8~33.8)	(31.7~32.7)	(33.7~34.7)										
QLSWC200VR	CW	32.5	39	33.5	40	1.2	1.8	37	8	45	20.7	65	30	12	8.4
QLSWC200VL	CCW	(31.9~33.1)	(38.4~39.6)	(32.9~34.1)	(39.4~40.6)										
QLSWC300VR	CW	36.5	46	39	48.5	1.5	2.3	45	8	55	25.4	85	40	15	10.5
QLSWC300VL	CCW	(35.7~37.2)	(45.2~46.7)	(38.2~39.7)	(47.7~49.2)										

*) Clamping height can be adjusted. The parenthesized values denote clamping height range.

Part Number	Dp	H	D	W ₁	W ₂	H ₃	H ₂	M	H ₄	R	A	H ₁	Cam Handles Part Number	Allowable Operating Load (N)**	Clamping Force (kN)	Clamping Mechanism
QLSWC100VR	27	102	18	8	4.3	10	30	M 4x0.7	22.8	50	16	52	QLCA-05	100	0.8	Spiral Cam Cam Angle: 4°
QLSWC100VL																
QLSWC150VR	34	131	23	10	5.3	14	40	M 5x0.8	28.5	63	19	68	QLCA-06	150	1.5	
QLSWC150VL																
QLSWC200VR	48	167	30	16	8.4	18	50	M 8x1.25	45.5	80	24	87	QLCA-08	200	2.1	
QLSWC200VL																
QLSWC300VR	64	207	40	20	10.4	22	60	M10x1.5	57	100	30	107	QLCA-10	300	2.8	
QLSWC300VL																

** Allowable load to operate the handle

QLSWC (Black Oxide Finish)

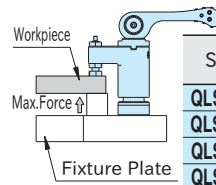
QLSWC-NP (Electroless Nickel Plated)

Part Number	Weight (g)
QLSWC100VR	134
QLSWC100VL	
QLSWC150VR	272
QLSWC150VL	
QLSWC200VR	625
QLSWC200VL	
QLSWC300VR	1340
QLSWC300VL	

Part Number	Weight (g)
QLSWC100VR-NP	134
QLSWC100VL-NP	
QLSWC150VR-NP	272
QLSWC150VL-NP	
QLSWC200VR-NP	625
QLSWC200VL-NP	
QLSWC300VR-NP	1340
QLSWC300VL-NP	

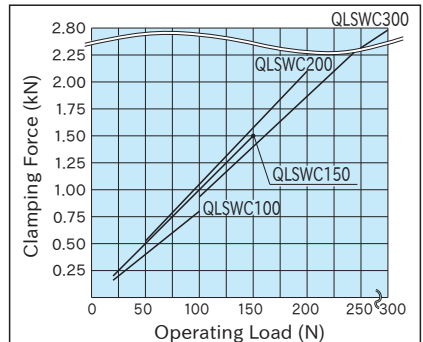
Technical Data

■ Allowable Loads in Machining of Workpiece Bottom
Ensure that any force more than stated below is not applied.



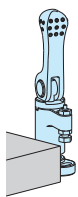
Series	Allowable Force To Workpiece Bottom (Per Clamp)
QLSWC100	max.2.3kN
QLSWC150	max.3.6kN
QLSWC200	max.3.7kN
QLSWC300	max.5.6kN

Performance Curve

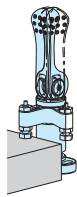


How To Use

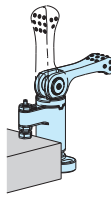
■ Operation of CW Type (Invert the operation for CCW type.)



1. Unclamped Load or unload a workpiece.



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



3. Clamping Set the handle down to clamp the workpiece.