

QLSCH

CAM EDGE CLAMPS

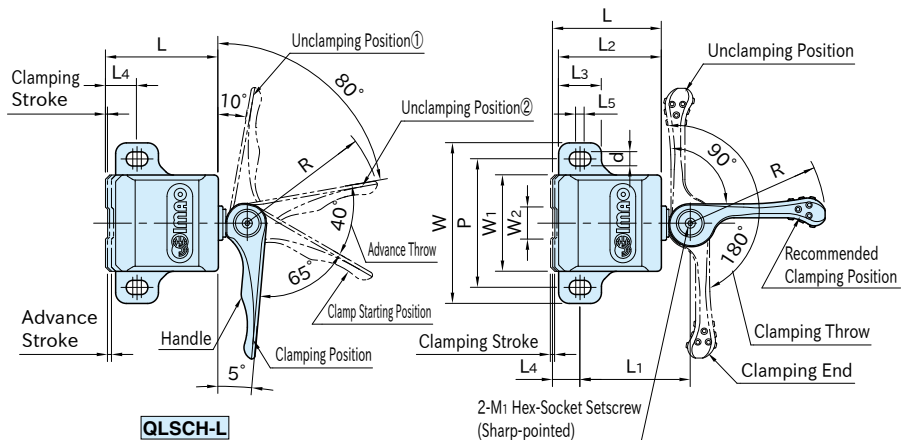


QLSCH-L
(Light-Duty)

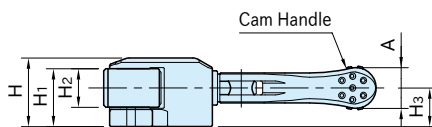
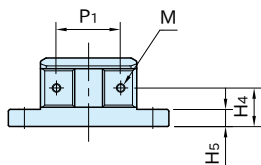


QLSCH
(Standard)

Type	Body	Jaw/Handle Shaft	Handle
QLSCH-L	S45C steel Black oxide finished	S45C steel Quenched & tempered Black oxide finished	SCM440 steel Quenched & tempered Electroless nickel plated
QLSCH			SCM440 steel Quenched & tempered Black oxide finished



QLSCH-L
(Light-Duty)



QLSCH
(Standard)

Size	W ₁	W ₂	H ₁	H ₂	M	P ₁	H ₄	L ₄	W	L ₃	H ₅	d	L ₅	P
QLSCH32	45	15	27	18	M4×0.7 Depth 6	30	18	13	75	20	8	6.6	4	60
QLSCH40	60	20	33	22	M5×0.8 Depth 8	40	22	17	100	26	10	8.6	5	80

Size	H	L	L ₂	R	L ₁	H ₃	M ₁
QLSCH32	32	51	48	63	51.5	18	M4×0.7-5L
QLSCH40	40	67	63	80	67	22	M5×0.8-6L

Related Product



Stronger type without handle is available.
QLSCH-H SIDE CLAMPS

Light-Duty

Part Number	A	Clamping Stroke *	Advance Stroke	Operating Load (N) **	Clamping Force (kN)	Weight (g)
QLSCH32L	14	0.3	0.8	40	0.6	600
QLSCH40L	18	0.4		50	1.2	1320

*) Dimensional variations between workpieces should be 0.1 mm or less.

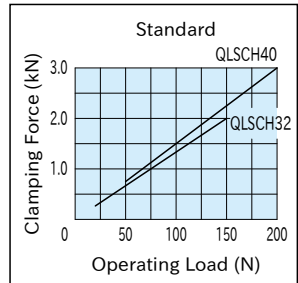
***) Load needed to turn the handle to clamping position

Standard

Part Number	A	Clamping Stroke	Handle Number	Operating Load (N) ***	Clamping Force (kN)	Weight (g)
QLSCH32	19	1.6	QLCA-06	150	2	620
QLSCH40	24	2.2	QLCA-08	200	3	1360

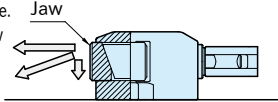
***) Allowable load to operate the handle

Performance Curve



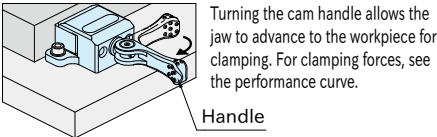
Feature

- The cam handle allows fast clamping in single operation.
- Spring-loaded light-duty style allows distributing constant clamping force.
- Standard style allows adjusting clamping force depending on operating loads.
- Precision-ground jaw is perfect for clamping the workpiece on its finished surface.
- In clamping, the jaw provides downward force to prevent part lift.



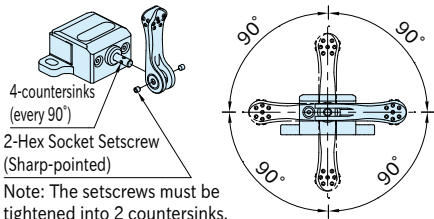
How To Use

Standard

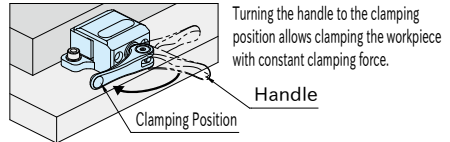


Changing Handle Position

The handle shaft has 4 countersinks which are provided every 90° for 4 options of handle position.

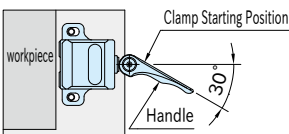


Light-Duty

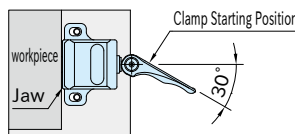


Installation Instructions for Light-Duty Style

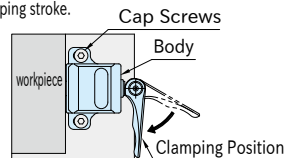
The steps below must be followed so that constant clamping force can be distributed within the clamping stroke.



Set the handle to the clamp starting position.



Contact the jaw to the workpiece.



Fasten the clamp with hex socket-head cap screws, and then turn the handle to the clamping position for clamping.