

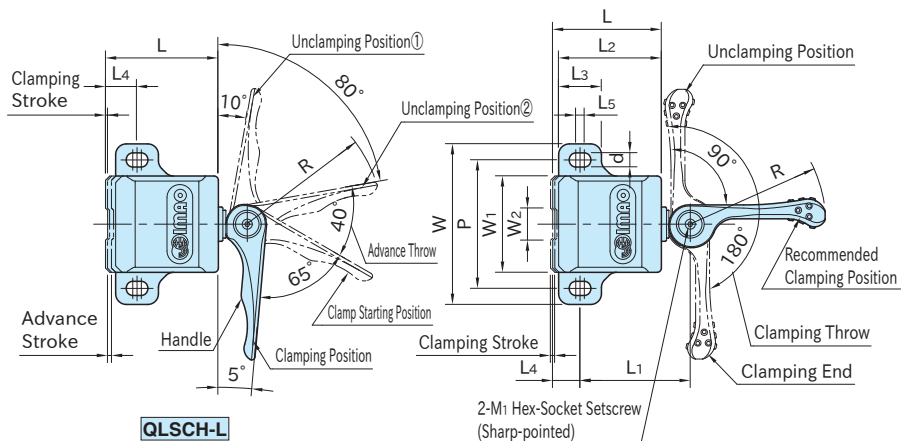


**QLSCH-L**  
(Light-Duty)

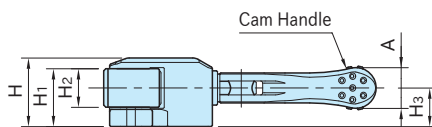
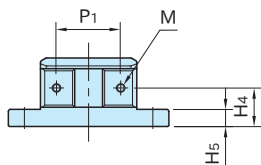


**QLSCH**  
(Standard)

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



**QLSCH-L**  
(Light-Duty)



**QLSCH**  
(Standard)

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

Size	H	L	L <sub>2</sub>	R	L <sub>1</sub>	H <sub>3</sub>	M <sub>1</sub>
<b>QLSCH32</b>	32	51	48	63	51.5	18	M4×0.7-5L
<b>QLSCH40</b>	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)
<b>QLSCH32L</b>	14	0.3	0.8	40	0.6	600
<b>QLSCH40L</b>	18	0.4		50	1.2	1320

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

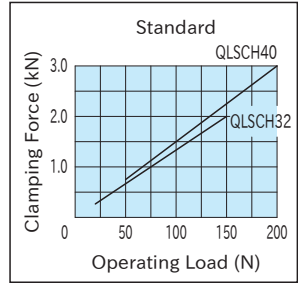
\*\*\*) Load needed to turn the handle to clamping position

### Standard

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

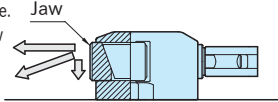
\*\*\*) Allowable load to operate the handle

### Performance Curve



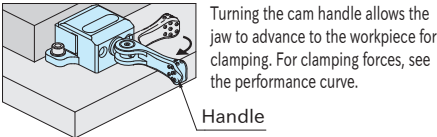
### Feature

- 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.



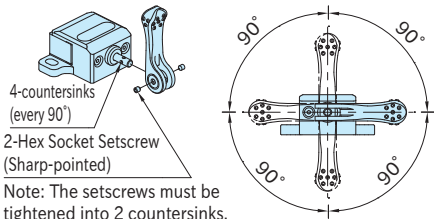
### How To Use

#### Standard

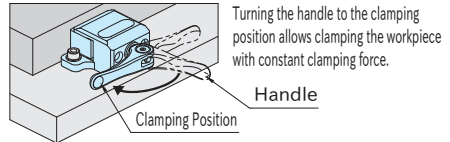


### Changing Handle Position

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

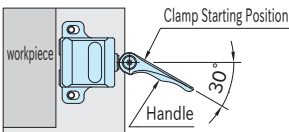


#### Light-Duty

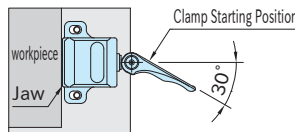


### Installation Instructions for Light-Duty Style

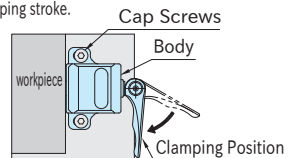
The steps below must be followed so that constant clamping force can be distributed within the clamping stroke.



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.