

# QLPDH

# PULL CLAMPS (Heavy)



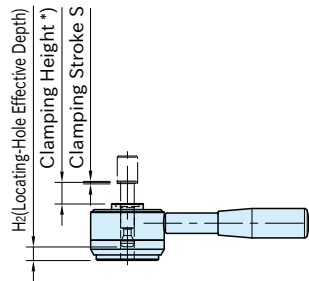
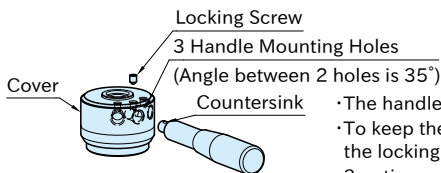
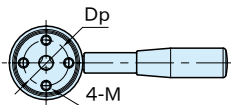
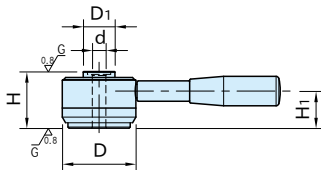
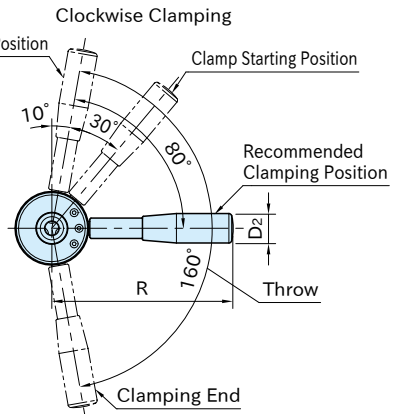
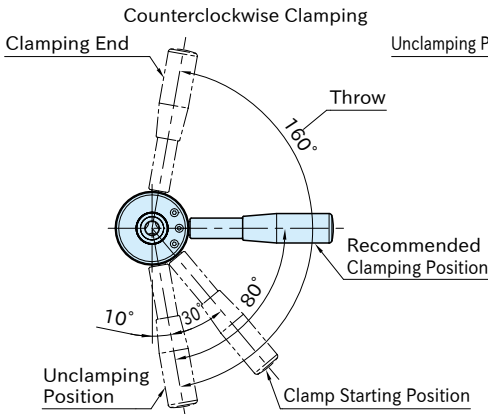
(Counterclockwise)

(Clockwise)

★ **Key Point**  
Easy clamping without screws.

Note: Clamping Pins or Screws must be ordered separately.

Body	Handle Shank	Handle
SCM440 steel Quenched and tempered Black oxide finish	S45C steel Quenched and tempered Black oxide finish	Phenolic plastic Black



- The handle can be removed by loosening the locking screw.
- To keep the handle mounted permanently, make sure that the locking screw is fully tightened.
- 3 options of handle mounting position.

Part Number	Clamping Direction	S	d (F7)	H <sub>2</sub>	D <sub>1</sub>	H (±0.01)	D	M	D <sub>p</sub>	R
<b>QLPDH400R</b>	CW	2	12	10	28	50	65	M 8×1.25 Depth 14	40	160
<b>QLPDH400L</b>	CCW									
<b>QLPDH500R</b>	CW	2.5	16	12	34	63	80	M10×1.5 Depth 18	50	180

Part Number	D <sub>2</sub>	H <sub>1</sub>	Allowable Operating Load (N) **)	Clamping Force (kN)	Clamping Mechanism	Recommended Workpiece Thickness Tolerance (***)	Weight (kg)
<b>QLPDH400R</b>	26	32.8	600	6	Spiral Cam Cam Angle: 4°	±0.5	1.2
<b>QLPDH400L</b>				8			
<b>QLPDH500R</b>	28	41.1				±0.8	2.2

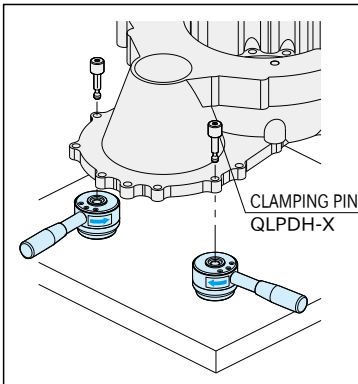
\*) Grip length of **QLPDH-X** Clamping Pin (workpiece thickness)

\*\*) Allowable load to operate the handle

\*\*\*) Maintaining these recommended tolerances allows minimizing the variation of handle position in the clamping mode in clamping with the use of the Clamping P in.

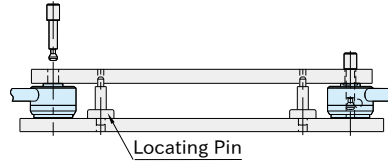
\*\*\*\*) **QLPDH500** is available only with Clockwise Clamping.

## How To Use



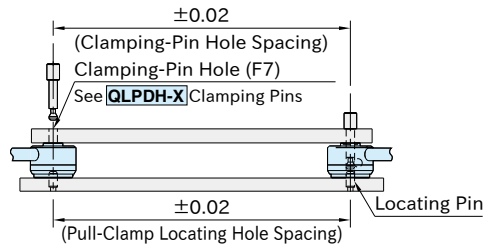
## How to Locate Workpiece

### 1. Basic Method



### 2. Method for clamping and locating a workpiece at a time

Give an accuracy shown below to the hole spacing to generate a locating accuracy of ±0.08.

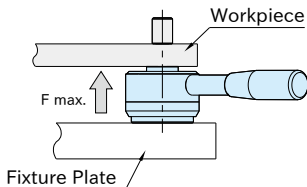


## Related Product

- **QLPDH-X** CLAMPING PINS (Heavy)
- **QLPDH-M** CLAMPING SCREWS (Heavy)

## Technical Information

■ Allowable Loads in Machining of Workpiece Bottom  
Ensure that a force more than indicated below is not applied to the workpiece bottom.



Type	Allowable Force To Workpiece Bottom (Per Clamp)
<b>QLPDH400</b>	max. 8kN
<b>QLPDH500</b>	max. 14kN

## Performance Curve

