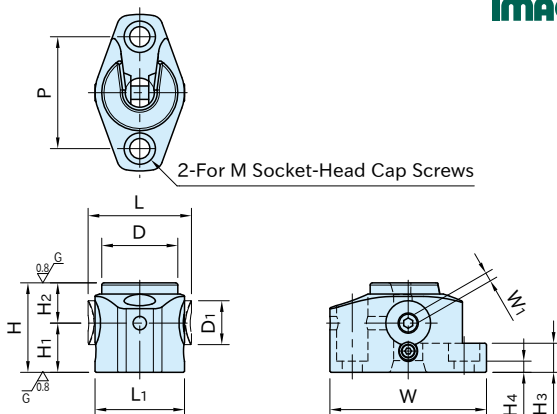


# CP160

## CLAMPING MODULES (Hook)



Note: The drawing shows CP160-R. The hex. socket for locking screw ( $W_1$ ) is on the other side in CP160-L.

| Body                                                                           | Clamping Nut                                                  | Locking Screw                                                 |
|--------------------------------------------------------------------------------|---------------------------------------------------------------|---------------------------------------------------------------|
| SCM440 steel<br>Induction hardened<br>Black oxide finished<br>Precision ground | SCM440 steel<br>Quenched and tempered<br>Black oxide finished | SCM435 steel<br>Quenched and tempered<br>Black oxide finished |

| Part Number         | D  | H<br>( $\pm 0.01$ ) | D <sub>1</sub> | L  | H <sub>1</sub> | H <sub>2</sub> | W   | L <sub>1</sub> | H <sub>3</sub> |
|---------------------|----|---------------------|----------------|----|----------------|----------------|-----|----------------|----------------|
| <b>CP160-08040R</b> | 34 | 40                  | 20             | 46 | 22             | 18             | 70  | 40             | 13             |
| <b>CP160-08040L</b> |    |                     |                |    |                |                |     |                |                |
| <b>CP160-12063R</b> | 52 | 63                  | 30             | 69 | 35             | 28             | 100 | 60             | 20             |
| <b>CP160-12063L</b> |    |                     |                |    |                |                |     |                |                |
| <b>CP160-16080R</b> | 70 | 80                  | 40             | 93 | 44             | 36             | 140 | 80             | 26             |
| <b>CP160-16080L</b> |    |                     |                |    |                |                |     |                |                |

| Part Number         | M   | P   | H <sub>4</sub> | W <sub>1</sub> | Clamping Force<br>(kN) | Allowable Screw Torque<br>(N·m) | Weight<br>(kg) |
|---------------------|-----|-----|----------------|----------------|------------------------|---------------------------------|----------------|
| <b>CP160-08040R</b> | M 8 | 50  | 5              | 4              | 8                      | 8                               | 0.4            |
| <b>CP160-08040L</b> |     |     |                |                |                        |                                 |                |
| <b>CP160-12063R</b> | M12 | 75  | 8              | 6              | 15                     | 22                              | 1.4            |
| <b>CP160-12063L</b> |     |     |                |                |                        |                                 |                |
| <b>CP160-16080R</b> | M16 | 100 | 10             | 8              | 25                     | 50                              | 3.2            |
| <b>CP160-16080L</b> |     |     |                |                |                        |                                 |                |

### Technical Information

Allowable Cutting Force & Workpiece Weight of  
CLAMPING MODULES (Hook)

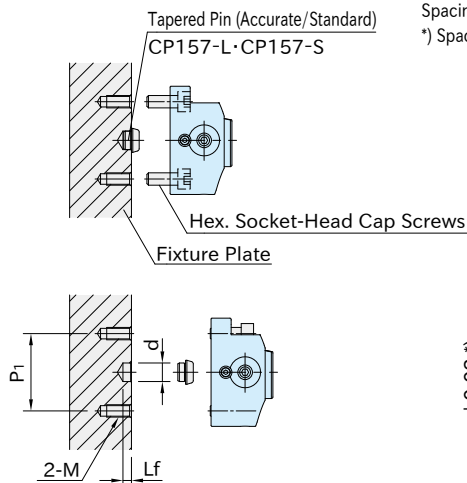
### Related Product

- [CP157](#) Tapered Pins
- [CP165-LH](#) Tapered Clamping Screws (Hook)
- [CP165-L](#) Tapered Clamping Screws
- [CP166-H](#) Clamping Screws (Hook)
- [CP166](#) Clamping Screws

## How To Use

- Use **CP157-L** Tapered Pin (Accurate) for precise locating.
- Use **CP157-S** Tapered Pin (Standard) for rough locating.

### ■ Mounting-Hole Dimension

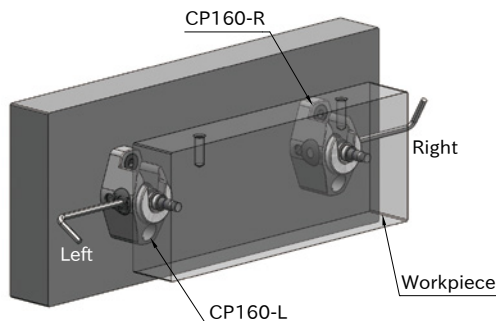


| Size               | d<br>(H7) | Lf  | M        | P <sub>1</sub> |
|--------------------|-----------|-----|----------|----------------|
| <b>CP160-08040</b> | 12        | 5.5 | M 8×1.25 | 50             |
| <b>CP160-12063</b> | 18        | 6.5 | M12×1.75 | 75             |
| <b>CP160-16080</b> | 22        | 8   | M16×2    | 100            |

Note: The machining tolerance for dimension "d" of the Standard Tapered Pin should be  $^{+0.1}_0$ , and apply a C0.5 chamfer to the hole edge.

### ■ Layout

Use CP160-R for tightening from right side,  
CP160-L for left side.



### ■ Spacing Tolerance

Spacing tolerance should be  $\pm 0.02$  for Tapered Pins (Accurate).  
\*) Spacing tolerance should be  $\pm 0.1$  for Tapered Pins (Standard).

