

## C1001 - March 10, 2020

Item # C1001 was discontinued on March 10, 2020. For informational purposes, this is a copy of the website content at that time and is valid only for the stated product.

### Ø1" POST MOUNTING CLAMP

- ▶ **Modular Vertical Mounting Surface**
- ▶ **Clamps Securely to Our Ø1" Posts**
- ▶ **Generous Distribution of 1/4"-20 (M6) and 8-32 (M4) Tapped Holes**



## OVERVIEW

### Features

- Mounting Clamp for Ø1" RS-Series Posts
- 2" x 2" (50.8 mm x 50.8 mm) Mounting Plate
- 1/4"-20 (M6) Tapped Holes (Qty. 24)
- 8-32 (M4) Tapped Holes (Qty. 25)

The C1001 Ø1" Post Mounting Clamps are an integral part of our Ø1" Post Assemblies, providing rigid, general-purpose mounting surfaces. These mounting clamps can be used for fastening our wide array of Optomechanical Mounts in much the same way breadboards are commonly used.

The clamping mechanism is directly compatible with our Ø1" RS-Series Posts. Vertical positioning is achieved by sliding the rear clamping mechanism along the length of the Ø1" post. Once the desired vertical position is achieved, the clamping mechanism is actuated with a 3/16" (5 mm) hex key or balldriver.

The C1001 offers a removable front plate [held in place with four 8-32 (M4) cap screws] that provides an array of 1/4"-20 (M6) and 8-32 (M4) tapped holes.

A quick-release handle is also available that allows for a simple and reliable way of securing the C1001 Post Mounting Clamp to a post. It is easily installed by replacing the 1/4"-20 (M6) locking screw in the post clamp. The 2.03" (51.4 mm) long handle contains a 1/4"-20 (M6) threaded stud that engages the part by simply rotating the handle.



## Ø1" Post Mounting Clamp

Part Number	Description	Price	Availability
C1001/M	Customer Inspired!&nbsp;Post Mounting Clamp for Ø25 mm Post, Metric	\$82.78	Today
C1001	Customer Inspired!&nbsp;Post Mounting Clamp for Ø1" Post	\$82.78	Lead Time

## Quick-Release Handle

- ▶ Quick-Release Handle for Fast and Repeated Positioning of Post Clamps
- ▶ Compatible with Ø1" (Ø25.0 mm) or Ø1.5" Post Clamps that Incorporate a 1/4"-20 (M6) Clamping Screw
- ▶ Provides More Control and Feel when Locking and Unlocking a Clamp
- ▶ Handle can be Rotated Without Actuating the Locking Screw
- ▶ 1/4"-20 (M6) Threads

The C15QR(/M) Quick-Release Handle provides a simple and reliable way of securing a flexure-based Ø1" (Ø25.0 mm) or Ø1.5" post clamp. In many cases a cap screw is used to lock a flexure-based clamp in place on a post, which requires a balldriver for adjustments. Depending on the mounted load, using a balldriver can be difficult, or even unsafe. This quick-release handle mitigates this problem by allowing the clamp to be hand-tightened, ensuring better control over the amount of torque applied to tighten or loosen the clamp. This also decreases the amount of time needed for basic setup and alignment by eliminating the need for additional balldrivers and allowing for a quick way to secure a clamp.

Easily installed by replacing the 1/4"-20 (M6) locking screw in a post clamp, the 2.03" (51.4 mm) long handle contains a 1/4"-20 (M6) threaded stud that engages a part by rotating the handle. Once the handle is tightened to secure a clamp to a post, the internal ratchet-type mechanism allows for the handle's rotational position to be adjusted without actuating the mounting stud. Simply pull the handle outwards to disengage it from the mounting stud, as shown in the image to the right, then rotate it to a more convenient position. This feature ensures that the handle will always be accessible to the user.



Click for Details  
 Left: C15QR Quick-Release Handle Being Attached to the C1511 Post Mounting Clamp  
 Right: Pull Back to Rotate the Position of the Handle

Part Number	Description	Price	Availability
C15QR/M	Quick Release Handle for Ø25.0 mm or Ø1.5" Post Clamps, M6 Threads	\$10.50	Today
C15QR	Quick-Release Handle for Ø1" or Ø1.5" Post Clamps, 1/4"-20 Threads	\$10.50	Today