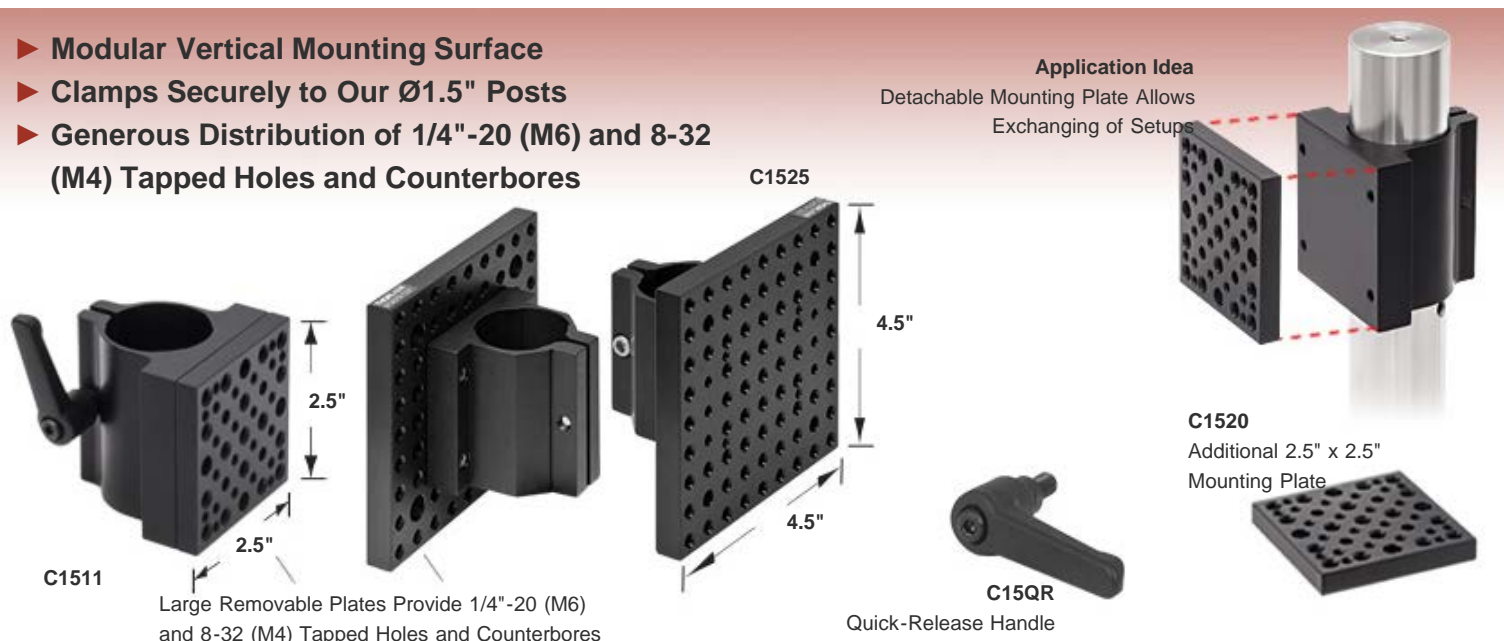


C1525 - November 6, 2015

Item # C1525 was discontinued on November 6, 2015. For informational purposes, this is a copy of the website content at that time and is valid only for the stated product.

Ø1.5" POST CLAMPS WITH TAPPED MOUNTING SURFACE

- ▶ **Modular Vertical Mounting Surface**
- ▶ **Clamps Securely to Our Ø1.5" Posts**
- ▶ **Generous Distribution of 1/4"-20 (M6) and 8-32 (M4) Tapped Holes and Counterbores**



[Hide Overview](#)

OVERVIEW



Click to Enlarge C1511 Mounted on a Ø1.5" Post

The C1511(M) and C1525(M) Ø1.5" Post Mounting Clamps are an integral part of our Ø1.5" 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 Ø1.5" Posts. Vertical positioning is achieved by sliding the rear clamping mechanism along the length of the Ø1.5" post. Once the desired vertical position is achieved the clamping mechanism is actuated with the attached handle (for the C1511) or a 3/16" (5 mm) balldriver (for the C1525).



Click to Enlarge C15QR Quick-Release Handle Can Be Used in Place of the 1/4"-20 (M6) Screw on Older Clamps



Click to Enlarge A spatial filter can be mounted to a Ø1.5" post using the #8 (M4) counterbores on the C1511(M) Post Clamp.

The C1511 (shown on the left attached to a Ø1.5" Post) offers a removable front plate that provides an array of 1/4"-20 (M6) and 8-32 (M4) tapped and counterbored holes. This removable mounting plate can be purchased separately as C1520 (C1520/M) below.

In contrast, the C1525 offers a large mounting plate with a generous array of 1/4"-20 (M6) tapped mounting holes. Additional mounting plates can be purchased separately as MB4A (MB1111A/M) below.

For users of the C1525 or previous-generation post mounting clamps, a quick-release handle is available that allows for a simple and reliable way of securing these clamps 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.

Ø1.5" Post Accessories

Construction Accessories

V-Mounts

Mounting Plates

Brackets / Platforms

Mirror Mounts

[Hide Ø1.5" Post Mounting Clamp](#)

Ø1.5" Post Mounting Clamp



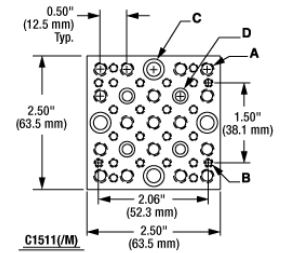
Thorlabs' C1511(/M) Post Mounting Clamp features a removable front plate that provides a variety of tapped holes and counterbores. This

post clamp and mounting plate combination has been designed to work in conjunction with our popular Ø1.5" Posts.

This clamp features a quick-release handle for securing the clamp to a post. 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. An internal ratchet-type mechanism allows for the handle's rotational position to be adjusted without actuating the mounting stud.

In the drawing to the right, the locations of the tapped and counterbored holes are called out by letters, while the dimensions and type of each hole are listed in the table above.

Mounting Options			
Label	Dimensions	Type	Count
A	1/4"-20 (M6 x 1.0)	Tapped Hole	17
B	8-32 (M4 x 0.7)	Tapped Hole	24
C	1/4" (M6)	Counterbored Hole	4
D	#8 (M4)	Counterbored Hole	4



Click to Enlarge

Part Number	Description	Price	Availability
C1511/M	NEW! Ø1.5" Post Mounting Clamp, 64 mm x 64 mm, Metric	\$64.00	Lead Time
C1511	NEW! Ø1.5" Post Mounting Clamp, 2.5" x 2.5"	\$64.00	3-5 Days

[Hide Adapter Plate for Ø1.5" Post Mounting Clamp](#)

Adapter Plate for Ø1.5" Post Mounting Clamp



- ▶ Identical to Plate Included with C1511(/M) Post Clamp
- ▶ 1/4"-20 (M6) Tapped Holes (Qty. 17)
- ▶ 8-32 (M4) Tapped Holes (Qty. 24)
- ▶ 1/4" (M6) Counterbored Clearance Holes (Qty. 4)
- ▶ #8 (M4) Counterbored Clearance Holes (Qty. 4)

This adapter plate gives additional versatility to the C1511(/M) Mounting Post Clamp by allowing assemblies on the adapter plates to be swapped. The tapped and counterbored plate allows devices that have #8 (M4) or 1/4" (M6) counterbored clearance holes or 8-32 (M4) or 1/4"-20 (M6) tapped holes to be easily attached to the C1511(/M) mounting post clamp.

Part Number	Description	Price	Availability
C1520/M	Adapter Plate for Ø1.5" Post Mounting Clamp, 64 mm x 64 mm, Metric	\$30.45	Today
C1520	Adapter Plate for Ø1.5" Post Mounting Clamp, 2.5" x 2.5"	\$30.45	Today

[Hide Large Ø1.5" Post Mounting Clamp](#)

Large Ø1.5" Post Mounting Clamp



- ▶ 1/4"-20 (M6) Tapped Holes (Qty. 71)
- ▶ 8-32 (M4) Tapped Holes (Qty. 4)
- ▶ 1/4" (M6) Counterbored Clearance Holes (Qty. 4)
- ▶ #8 (M4) Counterbored Clearance Holes (Qty. 6)
- ▶ Manual Height Adjustment Achieved via a 1/4"-20 (M6) Cap Screw

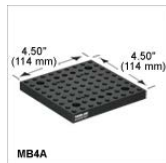
The C1525 offers many of the same features as the C1511 (shown above), but provides a larger mounting surface measuring 4.50" (114 mm) x 4.50" (114 mm). This larger mounting plate provides a total of (71) 1/4"-20 (M6) tapped mounting holes on 1/2" (13mm) centers, (4) 1/4"-20 (M6) counterbored clearance holes, and

(6) #8 (M4) counterbored clearance holes.

Part Number	Description	Price	Availability
C1525/M	Ø1.5" Post Mounting Clamp, 112.5 mm x 112.5 mm, Metric	\$90.30	Today
C1525	Ø1.5" Post Mounting Clamp, 4.5" x 4.5"	\$90.30	Lead Time

[Hide Adapter Plate for Large Ø1.5" Post Mounting Clamp](#)

Adapter Plate for Large Ø1.5" Post Mounting Clamp



- ▶ Identical to Plate Included with C1525(/M) Clamp
- ▶ 1/4"-20 (M6) Tapped Holes (Qty. 71)
- ▶ 8-32 (M4) Tapped Holes (Qty. 4)
- ▶ 1/4"-20 (M6) Counterbored Clearance Holes (Qty. 4)
- ▶ #8 (M4) Counterbored Clearance Holes (Qty. 6)

This adapter plate gives additional versatility to the C1525(/M) Large Mounting Post Clamp by allowing the assemblies on the adapter plates to be swapped. The tapped and counterbored plate allows devices that have #8 (M4) or 1/4" (M6) counterbored clearance holes or 8-32 (M4) or 1/4"-20 (M6) tapped holes to be easily attached to the C1511(/M) mounting post clamp.

Part Number	Description	Price	Availability
MB1111A/M	Adapter Plate for Ø1.5" Post Mounting Clamp, 112.5 mm x 112.5 mm, Metric	\$60.90	Today
MB4A	Adapter Plate for Ø1.5" Post Mounting Clamp, 4.5" x 4.5"	\$60.90	Today

[Hide Quick-Release Handle](#)

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: Handle Being Attached to the Previously Sold C1501 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	\$9.50	Today
C15QR	Quick-Release Handle for Ø1" or Ø1.5" Post Clamps, 1/4"-20 Threads	\$9.50	Today

Visit the [Ø1.5" Post Clamps with Tapped Mounting Surface](#) page for pricing and availability information:

http://www.thorlabs.com/newgrouppage9.cfm?objectgroup_id=169