

## XT95B50 - March 3, 2017

Item # XT95B50 was discontinued on March 3, 2017. For informational purposes, this is a copy of the website content at that time and is valid only for the stated product.

- Vacuum-Tight Seal for a 95 mm Rail End
- Instrumentation Box Fits Between Rails and is Sealed with O-Rings
- Joins Rails in End-to-End Orientation



XT95B50

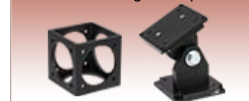


Assembled View  
(Rails Sold Separately)

Exploded View  
(Rails Sold Separately)



95 mm Rail Angle Adapters



95 mm Mounting Platforms



95 mm Leveling Feet



[Overview](#) [Feedback](#)

Thorlabs' Vacuum-Tight Instrumentation Box allows the interior of a standard 95 mm rail to be evacuated down to  $10^{-6}$  torr. It is designed to be installed between two rail ends and consists of a hollow box and two cover plates. One side of each cover plate contains a Viton O-Ring seal that faces the rail interior, and the other side contains an octagon-shaped Viton seal that faces the instrumentation box. The enclosed box or the enclosed rail can be purged once the entire assembly has been tightened down and baked out.

The cover plates contain four through holes that are positioned to align with the outer M6 taps on the end of a standard 95 mm rail. Eight M6 cap screws are included. To secure the cover plates to the instrumentation box, sixteen M2.5 cap screws are provided.

Thorlabs' product family for 95 mm rails includes [angle adapters](#), [leveling feet](#), [breadboard mounting adapters](#), and a vacuum adapter that supports pressures down to  $10^{-6}$  torr. In addition, we manufacture [mounting platforms](#) and [T-Nuts](#) that provide compatibility with standard optomechanics. Together with [size adapters](#) that incorporate 66 mm rails into an XT95 setup, these tools provide a complete family of rigid, versatile building blocks suited for virtually any optomechanical setup.

### XT95 95 mm Optical Rail Accessories

Rails	Angle Adapters	Leveling Feet	Breadboard Mounting
Mounting Platforms	Vacuum Adapter	T-Nuts and Screws	Size Adapters

