

▼ CHAPTERS

Tables/
Breadboards

Mechanics

Optomechanic
Devices

Kits

Lab Supplies

▼ SECTIONS

Mini Series

Ø1/2" Post
AssembliesØ1" Post
AssembliesØ1.5" Post
AssembliesMounting/Angle
Brackets

Lab Platforms

Instrument Shelves

Lens Tubes

Cage Systems

Optical Rails

Mirror Mounts

Kinematic Mounts

Fixed Mounts

Translation Mounts

Rotation Mounts

Filter Mounts

V-Mounts

Iris/Apertures

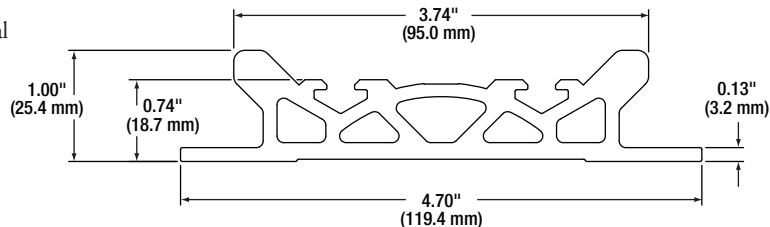
Adapters

Single Profile XT95 Rails

- Mounting Slots for 1/4" (M6) Cap Screws on 3.98" (101.0 mm) Centers
- T-Slots Provide Additional Design Flexibility
- Custom Lengths up to 1 m (39.37") Available
- Bottom Side-Relief Cut for Mounting Stability

Single Profile XT95 Structural Rails are ideal for optical setups that require components or other optical rails to slide along a defined axis just above the tabletop surface. These one-sided rails, which feature 2" (50.8 mm) long slots in 2" (50.8 mm) increments down both sides of the rail, accommodate 1/4"-20 (M6 x 1.0) screws, making it possible to easily mount the rail to an optical table or breadboard.

XT95SP-500



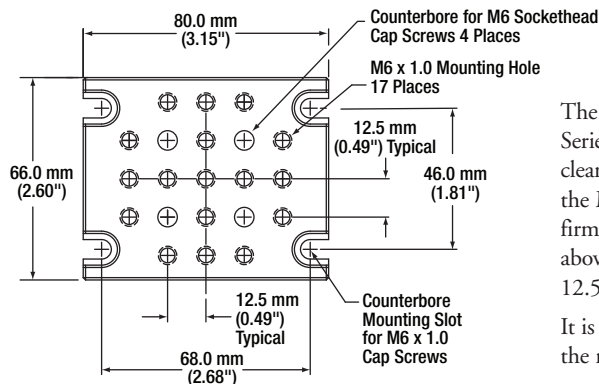
ITEM #	\$	£	€	RMB	DESCRIPTION
XT95SP-500	\$ 122.00	£ 87.84	€ 106.14	¥ 972.34	Single-Profile XT95 Rail, 500 mm Long
XT95SP-1000	\$ 195.00	£ 140.40	€ 169.65	¥ 1,554.15	Single-Profile XT95 Rail, 1000 mm Long

XT95 Series Rail Plates



XT95P1

M6 x 1.0 Mounting Holes



The XT95P1 Rail Plate is designed to slide along the length of an XT95 Series Rail. Two T-nuts, located on the underside of the plate, interlock with clearance channels in the rail extrusion. These T-nuts, when actuated with the M6 x 1.0 socket head cap screws located in each corner of the plate, firmly lock the plate into position on the rail, as illustrated in the image above. The hole pattern consists of 17 M6 x 1.0 tapped mounting holes on 12.5 mm centers. Four M6 counterbored through holes are also provided.

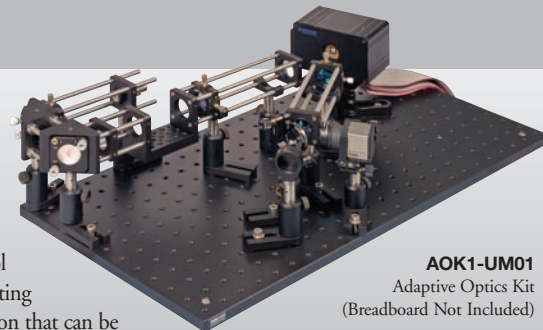
It is important to note that unlike the XT95P2 drop-on carriage detailed on the next page, the XT95P1 must be attached to the rail via an open end.

ITEM #	\$	£	€	RMB	DESCRIPTION
XT95P1	\$ 41.00	£ 29.52	€ 35.67	¥ 326.77	XT95 Series Rail Plate

Have you seen our...

Adaptive Optics Kits

In an effort to bring adaptive optics to more research fields, Thorlabs offers adaptive optics kits. These kits bundle the three primary components for any adaptive optics system: a MEMS-based deformable mirror (either gold- or aluminum-coated), a Shack-Hartmann Wavefront Sensor, and real-time control software. In addition, the kits also include a light source, all collimation/imaging optics, and all mounting hardware necessary. These kits are specifically designed to provide an easy-to-use adaptive optics solution that can be integrated into a research system in hours instead of months.

AOK1-UM01
Adaptive Optics Kit
(Breadboard Not Included)For more details,
see page 1790