

95mm Rail System

The XT95 series rail system is our largest, most rigid structural product line. Originally designed for constructing vacuum-sealed “flight paths,” the XT95 rails have proven to be invaluable in their ability to enable large optomechanical assemblies and support structures. Providing enough stability to an optomechanical interferometer and enough strength to support several hundred pounds, the XT95 series construction accessories are ideal building blocks for a wide range of structural requirements.

These accessories are ideal for assembling anything from small tabletop rails (precision experimentation) to large, mobile structures, complete with casters. The four 10mm thick “wings” on the corners act as dovetails for the XT95 P2 carriage. The T-slots that run along the length of the extrusion accept XT95N2 (M6) and XT95N3 (M4) T-nuts, which allow mounting of components directly to a rail.

An extensive line of additional components is listed on the following pages to maximize the versatility of the XT95 rail system.



Raw Extrusion Rails

Finished Rails: 95mm x 95mm

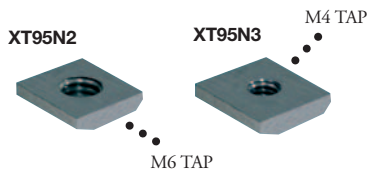
ITEM#	\$	£	€	RMB	DESCRIPTION
XT95-250	\$ 56.10	£ 35.30	€ 52,20	¥ 535.80	0.25m XT95 Rail
XT95-500	\$ 77.50	£ 48.80	€ 72,10	¥ 740.10	0.50m XT95 Rail
XT95-750	\$ 100.00	£ 63.00	€ 93,00	¥ 955.00	0.75m XT95 Rail
XT95-1000	\$ 131.60	£ 82.90	€ 122,40	¥ 1,256.80	1.0m XT95 Rail
XT95-1500	\$ 172.40	£ 108.60	€ 160,30	¥ 1,646.40	1.5m XT95 Rail
XT95-2000	\$ 229.50	£ 144.60	€ 213,40	¥ 2,191.70	2.0m XT95 Rail

Unanodized Raw Extrusion: 2 Meters

ITEM#	\$	£	€	RMB	DESCRIPTION
XT95RL2	\$173.40	£109.20	€161,30	¥1,656.00	2m XT95 Raw Rail

Quick Release and Drop-In T-Nut

These T-nuts are designed to slip into the external slots on the XT95 series rails.



ITEM#	\$	£	€	RMB	DESCRIPTION
XT95N2	\$ 2.00	£ 1.30	€ 1,90	¥ 19.10	15mm Long T-Nut, M6 Tap
XT95N3	\$ 2.00	£ 1.30	€ 1,90	¥ 19.10	15mm Long T-Nut, M4 Tap
XT95N4	\$ 32.60	£ 20.50	€ 30,30	¥ 311.30	Drop in T-Nut, M4 Tap

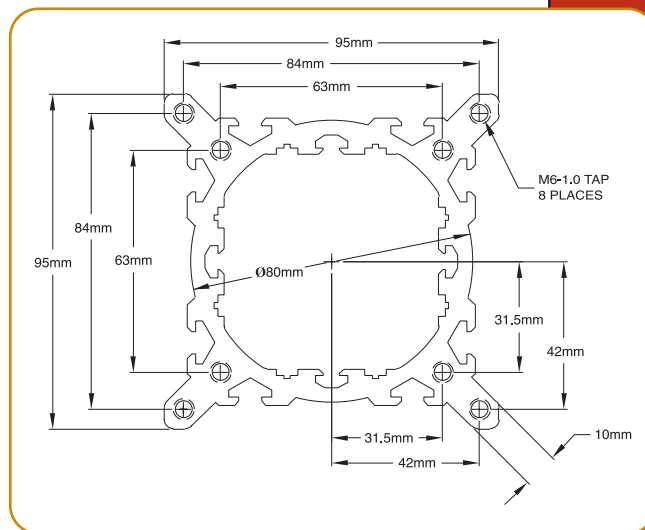
* Price per package of 10.

M6-1.0 Tapped Holes Both Ends

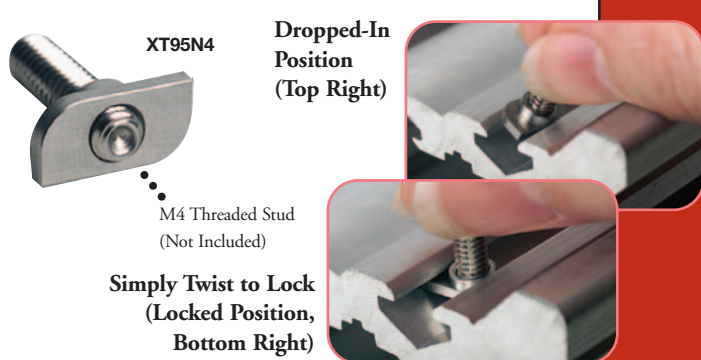


Finished Rails

- Build Vacuum-Sealed Flight Paths
- 7.0kg/m Rigid Extrusion
- T-Slots Provide Additional Design Flexibility
- Fully Compatible With Competitors' Rails
- 2 Meter Raw Extrusion Available
- Custom Lengths up to 3.5m Available



- Unique Design Allows Nut to Drop into Rail, Then Rotate into a Tightening Position
- Release and Removal From Rails is Just as Easy as Tightening
- Machined Boss Adds to Depth of Tap and Keeps Nut Centered in Rail Slot



XT95N4
Dropped-In Position (Top Right)
Simply Twist to Lock (Locked Position, Bottom Right)
M4 Threaded Stud (Not Included)

- Mounting Basics
- Optical Rails
- Mirror Mounts
- Lens Mounts
- Filter Mounts
- Rotation Mounts
- Adapters
- V-Mounts
- Apertures & Iris Diaphragms
- Lens Tubes
- Cage Systems