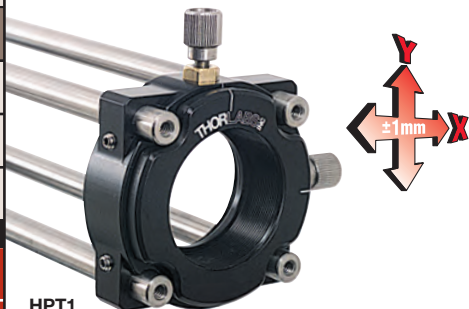


**Cage
Products
Available
in 16, 30,
& 60 mm
Versions**

30 mm Cage-Compatible XY Translator for Ø1" Optics



HPT1
Rods Not Included

- Accepts Optics up to 0.3" (8 mm) Thick
- 250 µm Pitch Adjusters
- 0.01" (0.25 mm) of Translation Per Revolution
- ±1 mm Travel in X and Y Directions

The HPT1 XY Translator provides ±1 mm of travel perpendicular to the optical axis of a cage system. The carriage is threaded with our SM1 (Ø1.035"-40) threads and accepts Ø1" or Ø25 mm optics up to 0.3" (8 mm) thick. The fixed back side is also threaded to allow SM1 lens tubes to be attached. One SM1RR retaining ring is included. Please note that the carriage rotates when translated; this rotation can be compensated for by rotating the carriage.

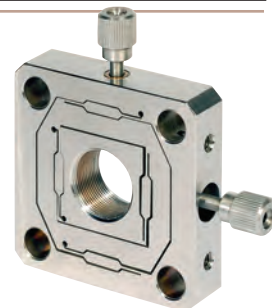
ITEM#	\$	£	€	RMB	DESCRIPTION
HPT1	\$ 161.00	£ 111.70	€ 143.00	¥ 1,359.50	30 mm Cage XY Translator for Ø1" Optics

Cage XY Flexure Adjustment Plate

The CP1XY offers ±0.25 mm of XY travel using M3 x 0.20 fine-pitch adjusters. The stainless steel flexure design provides excellent long-term stability. The center of the plate is tapped through with an SM05 (Ø0.535"-40) thread to allow the integration of our extensive SM05-threaded family of products.

- Flexure Design for Maximum Stability
- Stainless Steel Construction
- 0.5 mm XY Translation
- 0.35" (8.9 mm) Thick

ITEM#	\$	£	€	RMB
CP1XY	\$ 332.50	£ 230.50	€ 295.20	¥ 2,807.70



XY Translator

Specifications

ST1XY-A

- 100 TPI Adjuster Screws
- 0.01" (0.25 mm) per Revolution
- No Graduations
- 5/64" Hex Key Included

ST1XY-S

- Micrometer Drive
- 0.50 mm per Revolution
- 10 µm per Graduation

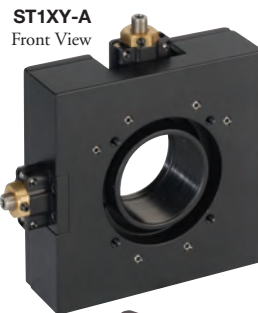
ST1XY-D

- Differential Adjusters
- Coarse, 0.4 mm/rev
- Fine, 25 µm/rev
- 0.5 µm per Graduation

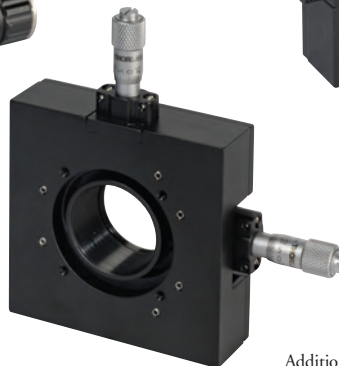


Rear View

Mechanical
Drawings Available on the
WEB



ST1XY-A
Front View



ST1XY-S
Front View



ST1CP
Additional Rear Plate

The ST1XY series of translation mounts utilize hardened steel components on all moving parts to ensure long-term, drift-free operation.

The ST1XY is designed to connect to our extensive line of SM1 (Ø1.035"-40) series lens tubes as well as our 30 mm cage assemblies to offer greater flexibility when building optical systems. Three #8-32 (M4 x 0.7) tapped mounting holes are provided on the bottom

surface to allow mounting on our TR Series posts (see page 88). The ST1CP bolt-on adapter plate may be used to quickly remove the cage assembly from the translation stage, keeping the attached portion of your setup intact.

- Backlash-Free, 0.25" (6.5 mm) Travel
- Compatible with Our 30 mm Cage Assemblies

ITEM#	METRIC ITEM#	\$	£	€	RMB	DESCRIPTION
ST1XY-A*	ST1XY-A/M*	\$ 313.10	£ 217.10	€ 278.00	¥ 2,643.90	XY Translator with 100 TPI Adjusters
ST1XY-S*	ST1XY-S/M*	\$ 344.60	£ 238.90	€ 306.00	¥ 2,909.90	XY Translator with Micrometer Drives
ST1XY-D*	ST1XY-D/M*	\$ 445.50	£ 308.90	€ 395.60	¥ 3,761.90	XY Translator with Differential Drives
ST1CP**	ST1CP**	\$ 28.40	£ 19.70	€ 25.30	¥ 239.90	Cover Plate with Clearance Holes

*One SM1RR Retaining Ring Included

**Imperial and Metric Compatible