

For current pricing, please see our website.

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Stepper and DC Servo Kits: 1/4"-80 Actuator Mirror Mounts



Combine our TST001 T-Cube Stepper Motor Driver with either our ZST6 or ZST12 Stepper Motor Actuators to motorize any mirror mount with 1/4"-80 actuators.

Any mirror mount with 1/4"-80 actuators can be seamlessly upgraded into a Stepper or DC motorized mirror mount, even if the mirror mount was not purchased from Thorlabs. Simply remove the manual 1/4"-80 adjusters, thread the stepper or DC servo actuators into place, and attach the cables to the TST001 T-Cube stepper motor controller or the TDC001 T-Cube DC servo controller.

Thorlabs offers two options for both the stepper and DC servo actuators. For stepper motor actuators, choose from our ZST6 actuators, which offer 6 mm of travel, or our ZST13 actuators, which offer 13 mm of travel. For DC motor actuators, we offer our Z806 actuators, which offer 6 mm of travel or our Z812 actuators, which offer 12 mm of travel. The thickness of the mount's back plate determines whether the ZST6 or ZST13 (Z806 or Z812) would be recommended (see the table below for our recommendations). The DC servo actuators include cables that are 0.5 m long; a 2.5 m extension cable (PAA632 featured on page 437) is available separately.

Three power supply options are available for these T-Cube stepper and DC motor drivers. The TPS001 power supply plugs into a standard wall outlet and provides +15 VDC to a single T-Cube, whereas the TPS008 power supply works with up to eight T-Cubes. The TCH002 Hub and Power Supply consists of two parts: the hub, which can support and power up to six standard-footprint T-cubes, and a power supply that plugs into a standard wall outlet and powers the hub.



TPS008

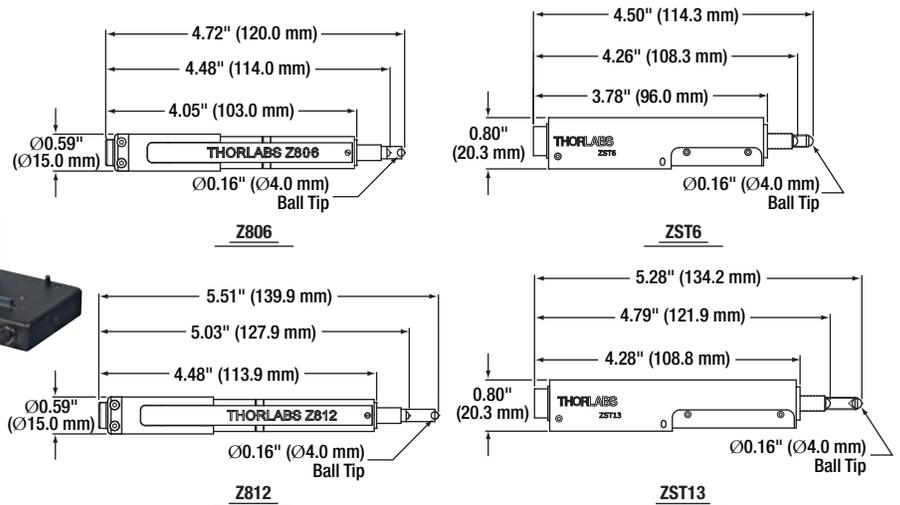


TPS001



TCH002

Choose from three power supply options to upgrade your mirror mount to a motorized version.



DC Servo Actuators

ITEM #	\$	£	€	RMB	BACK PLATE THICKNESS	DESCRIPTION
Z806*	\$ 475.00	£ 342.00	€ 413,25	¥ 3,785.75	13 - 15 mm	6 mm Travel Motorized DC Servo Actuator, 1/4"-80 Thread
Z812**	\$ 485.00	£ 349.20	€ 421,95	¥ 3,865.45	15 - 20.5 mm	12 mm Travel Motorized DC Servo Actuator, 1/4"-80 Thread

*Recommended for use with our KM100 2-Adjuster Kinematic Mirror Mount

**Recommended for use with our KS1 3-Adjuster Kinematic Mirror Mount

Stepper Motor Actuators

ITEM #	\$	£	€	RMB	BACK PLATE THICKNESS	DESCRIPTION
ZST6*	\$ 576.30	£ 414.94	€ 501,38	¥ 4,593.11	13 - 15 mm	6 mm Travel Motorized Stepper Motor Actuator, 1/4"-80 Thread
ZST13**	\$ 601.80	£ 433.30	€ 523,57	¥ 4,796.35	15 - 20.5 mm	13 mm Travel Motorized Stepper Motor Actuator, 1/4"-80 Thread

*Recommended for use with our KM100 2-Adjuster Kinematic Mirror Mount

**Recommended for use with our KS1 3-Adjuster Kinematic Mirror Mount

DC Servo and Stepper Motor Controllers (Power Supply Sold Separately)

ITEM #	\$	£	€	RMB	DESCRIPTION
TDC001	\$ 595.00	£ 428.40	€ 517,65	¥ 4,742.15	T-Cube DC Motor Controller
TST001	\$ 595.00	£ 428.40	€ 517,65	¥ 4,742.15	T-Cube Stepper Motor Controller

Power Supply Options

ITEM #	\$	£	€	RMB	DESCRIPTION
TPS001	\$ 25.00	£ 18.00	€ 21,75	¥ 199.25	15 V Power Supply for a Single T-Cube Unit
TPS008	\$ 175.00	£ 126.00	€ 152,25	¥ 1,394.75	15 V Power Supply for up to Eight T-Cube Units
TCH002	\$ 726.90	£ 523.37	€ 632,40	¥ 5,793.39	T-Cube Controller Hub and Power Supply Unit



Combine our TDC001 T-Cube DC Motor Driver with either our Z806 or Z812 DC Motor Actuators to motorize any mirror mount with 1/4"-80 actuators.