

Optomechanics

Mounting Basics

Optical Rails

Mirror Mounts

Lens Mounts

Filter Mounts

Rotation Mounts

Adapters

V-Mounts

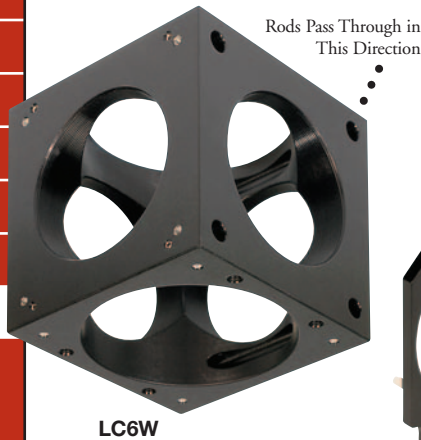
Apertures & Iris Diaphragms

Lens Tubes

Cage Systems

60mm Cage Cubes

The 60mm Cage Cube forms one of the basic building blocks for assembling large 3D structures. The cube allows 60mm square cage systems to be attached to all sides. The cube is machined to very tight tolerances ($\pm 0.002''$), ensuring good alignment of an optical system. Four planar cube faces contain #4-40 tapped holes for mounting cage rods centered on an SM2 (2.035"-40) threaded hole. The top and bottom faces of the cube are machined with $\text{Ø}2.5''$ (63.5mm) holes and #4-40 tapped holes designed for mounting our cube accessory plates. It also features $\text{Ø}6\text{mm}$ through-holes for use with our ER Series Cage Rods. Visit us at www.thorlabs.com for detailed drawings and 3D models of our cage systems.



LC6W



LB5C

The LB5C optic mount is designed for use with our prism mounting platforms (LB3C or LB4C). This mount ensures good centering of a mounted optic with respect to the side ports of the cage cubes. Three nylon screws are located on the front side and can be used to fasten optics into the mount.



LB3C

The LB3C is a general purpose, lockable rotation plate designed to fasten to the LC6W 60mm cage cube. It provides 360° of continuous, manual rotation. Complete with a generous array of #6-32 (M4) tapped holes, this rotation plate is compatible with our LB5C optic mount as well as our PM1 and PM2 clamping arms, making it ideal for holding beamsplitting cubes, prisms, and other bulk optics.



LB4C
Bottom View

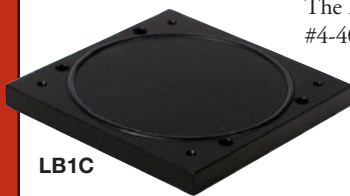
The LB4C prism platform mounts into the top or bottom of our 60mm cage cube. The platform includes 1/4"-80 adjuster screws that provide three degrees of freedom: roll, pitch, and translation. Additionally, 360° rotational freedom is provided by manually rotating the entire prism mount within the bore of the cage cube. A generous array of #6-32 (M4) tapped holes has been provided for compatibility with our LB5C optic mount and PM1 and PM2 clamping arms (see price box), ideal for holding beamsplitting cubes, prisms, and other bulk optics.

Visit www.thorlabs.com For Mechanical Drawings and Our New Solid Models



ITEM#	METRIC ITEM#	\$	£	€	RMB	DESCRIPTION
LC6W	LC6W*	\$ 124.00	£ 78.10	€ 115.30	¥ 1,184.20	60mm Cage Cube With Clearance Holes
LB3C	LB3C/M	\$ 44.20	£ 27.80	€ 41.10	¥ 422.10	Rotatable Cover Plate
LB4C	LB4C/M	\$ 126.00	£ 79.40	€ 117.20	¥ 1,203.30	Kinematic Rotatable Cover Plate
LB5C	LB5C*	\$ 54.60	£ 34.40	€ 50.80	¥ 521.40	Ø2" Optic Mount for 60mm Cube
PM1	PM1/M	\$ 9.50	£ 6.00	€ 8.80	¥ 90.70	Small Clamping Arm
PM2	PM2/M	\$ 14.70	£ 9.30	€ 13.70	¥ 140.40	Large Clamping Arm

*Universal Design, Imperial and Metric Compatible



LB1C

The LB1C blank cover plates fasten directly to our LC6W cage cubes via #4-40 cap screws. A rubber O-ring is provided on the back side of the plate in order to form a light-tight seal with the mating cube.

The LB2C cover plate fastens directly to our cage cubes with #4-40 cap screws. The plate can also be used with the LC6W cage cube, has an SM2 (2.035"-40) center-tapped hole that is compatible with any of our SM2-threaded lens tubes and adapters.



LB2C

ITEM#	METRIC ITEM#	\$	£	€	RMB	DESCRIPTION
LB1C	LB1C/M	\$ 30.20	£ 19.00	€ 28.10	¥ 288.40	Light-Tight Blank Cover Plate
LB2C	LB2C*	\$ 31.00	£ 19.50	€ 28.80	¥ 296.10	SM2 Threaded Cover Plate

*Universal Design, Imperial and Metric Compatible

Ring-Activated Threaded Iris Diaphragms

- $\text{Ø}0.04''$ to $\text{Ø}0.98''$ Aperture Range
- Ring-Activated Iris Diaphragm Ideal for Cage System and Lens Tube Applications

- Design Eliminates Actuating Arm, Significantly Reducing Clearance Requirements
- Compatible With SM2 Series



SM2D25D

ITEM#	\$	£	€	RMB	DESCRIPTION
SM2D25D	\$ 75.50	£ 47.60	€ 70.20	¥ 721.00	SM2-Series Ring Activated Iris Diaphragm