

60 mm Cage Plates and Cage Plate Adapters



LCP01
2.035"-40 Thread
0.50" (12.7 mm) Thick



LCP01T
2.035"-40 Thread
0.90" (22.9 mm) Thick



LCP02
1.035"-40 Thread
60 mm to 30 mm Cage Plate
Adapter

- Easily Integrate our SM1-Threaded (1.035"-40) and SM2-Threaded (2.035"-40) Products into a 60 mm Cage System
- Post-Mountable Using a Bottom-Located 8-32 (M4) Tapped Hole (LCP01, LCP01T, LCP03, and LCP06)
- Mount Ø1" (LCP02) or Ø2" (LCP01 and LCP01T) Optics with Retaining Rings
- Mount Ø2" (LCP06) Optics with Nylon-Tipped Locking Setscrew
- Couple 30 mm and 60 mm Cage Systems using the LCP02

Thorlabs' 60 mm cage plates are designed for quick construction of compact optical assemblies. Each cage plate features four through holes for use with our Ø6 mm ER Series cage rods (as shown on page 202). Each cage rod is secured using the two side-located locking setscrews.

LCP01 Threaded Cage Plate, 0.50" Thick

The LCP01 is among our most popular 60 mm cage plates. In addition to the features listed above, it provides a center-located SM2-threaded (2.035"-40) bore that accepts a Ø2" optic up to 0.35" (9 mm) thick and is compatible with our popular SM2-threaded lens tubes. Two SM2RR retaining rings are included to secure optics.

LCP01T Cage Plate, 0.90" Thick

The LCP01T is designed for cage mounting of Thorlabs' thickest Ø2" optics. The center-located SM2-threaded (2.035"-40) bore is designed to hold optics up to 0.70" (17.8 mm) thick. Two SM2RR retaining rings are included.

LCP02 Cage Plate Adapter

The LCP02 provides a convenient means for coupling 30 mm and 60 mm cage assemblies via our Ø6 mm cage rods. It features a centered SM1-threaded (1.035"-40) bore that directly accepts optics up to 0.35" (8.9 mm) thick. SM1RR retaining rings need to be purchased separately.

LCP03 Blank Cage Plate

The LCP03 Blank Cage Plates are ideal when standard threads and hole sizes are insufficient for custom mounting and OEM requirements.

LCP06 Inner Bore Cage Plate, 0.50" Thick

The LCP06 is a 60 mm cage plate featuring a Ø2.00" double bore and a nylon-tipped locking setscrew. This plate can directly accept Ø2" optics that are at least 0.27" (6.9 mm) thick.



LCP03
60 mm Blank Cage Plate
0.50" (12.7 mm) Thick



LCP06
Ø2.00" Inner Bore
0.50" (12.7 mm) Thick

ITEM #	METRIC ITEM #	\$	£	€	RMB	DESCRIPTION
LCP01*	LCP01/M*	\$ 36.00	£ 25.92	€ 31,32	¥ 286.92	SM2-Threaded Cage Plate, 0.50" Thick
LCP01T*	LCP01T/M*	\$ 35.50	£ 25.56	€ 30,89	¥ 282.94	SM2-Threaded Cage Plate, 0.90" Thick
LCP02**	LCP02**	\$ 38.00	£ 27.36	€ 33,06	¥ 302.86	30 to 60 mm Adapter Plate, SM1 Threaded
LCP03	LCP03/M	\$ 34.00	£ 24.48	€ 29,58	¥ 270.98	60 mm Blank Cage Plate for Custom Machining
LCP06	LCP06/M	\$ 32.50	£ 23.40	€ 28,28	¥ 259.03	Ø2.00" Inner Bore Cage Plate, 0.50" Thick
SM2RR**	SM2RR**	\$ 6.75	£ 4.86	€ 5,87	¥ 53.80	SM2 (2.035"-40) Retaining Ring

*Two SM2RR Retaining Rings Included with the LCP01, LCP01/M, LCP01T, and LCP01T/M

**Imperial and Metric Compatible

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