

30 mm Cage Plates

The 30 mm Cage Systems are ideally suited for compact assemblies and provide a convenient way to construct expanding optomechanical systems with an established line of precision-machined building blocks designed for flexibility and accurate alignment. Among the most essential of these fundamental components are cage plates and cage rods. Each cage plate contains four through holes with center-to-center spacings of 30 mm. These holes are machined for a precision slip-fit with mating Ø6 mm Cage Rods and provide side-locking screws that fasten the plate to its mating rods for positioning. For added convenience and to increase cage system compatibility, an 8-32 (M4 x 0.7) tapped hole is provided on all items, with the exception of CP06, for post-mounting applications.



CP01

- Blank Cage Plate
- Ideal for Custom Machining



CP02

- Standard SM1 Series Cage Plate, 0.35" (8.9 mm) Thick
- Great for Thin Optics, Lens Tubes, and Accessories



CP02T

- Extra Thick SM1 Series Cage Plate, 0.50" (12.7 mm) Thick
- Allows Coupling of Two Cage System Assemblies



CP03

- Ø35.0 mm Aperture
- Added Rigidity and Clearance for SM1 Lens Tubes and Cage Systems



CP06

- Ø1.00" Inner Bore Cage Plate, 0.30" (7.6 mm) Deep
- Nylon-Tipped Locking Setscrew and Double Bore for High Stability



CP04

- TO3 Laser Diode Package Mount
- Build a Compact TO3 Package Collimated Laser System



CP08

- SM1 Cage Plate Featuring an Enhanced Locking System
- Highly Stable Flexlock Clamping Feature

NEW product



CP08FP

- CP08 with Four 2-56 Tapped Holes for Thorlabs' FiberPort (See Pages 1081 - 1084)

ITEM #	METRIC ITEM #	\$	£	€	RMB	DESCRIPTION
CP01	CP01/M	\$ 15.50	£ 11.16	€ 13,49	¥ 123.54	Blank Cage Plate for Custom Machining
CP02	CP02/M	\$ 16.00	£ 11.52	€ 13,92	¥ 127.52	SM1-Threaded Cage Plate, 0.35" Thick
CP02T	CP02T/M	\$ 21.00	£ 15.12	€ 18,27	¥ 167.37	SM1-Threaded Cage Plate, 0.50" Thick
CP03	CP03/M	\$ 18.00	£ 12.96	€ 15,66	¥ 143.46	Ø35.0 mm Aperture Cage Plate
CP04	—	\$ 69.00	£ 49.68	€ 60,03	¥ 549.93	Cage Plate for TO3 Laser Diode Package
CP06	CP06*	\$ 16.75	£ 12.06	€ 14,57	¥ 133.50	Ø1.00" Inner Bore Cage Plate, 0.30" Deep
CP08	CP08/M	\$ 19.00	£ 13.68	€ 16,53	¥ 151.43	SM1-Threaded Cage Plate, Flexlock Plate
CP08FP	CP08FP/M	\$ 23.00	£ 16.56	€ 20,01	¥ 183.31	FiberPort Compatible Cage Plate

*Imperial and Metric Compatible.

Cage Plate Adapters

- Couple 16 mm to 30 mm Cage Segments
 - SM05 (0.535"-40) Compatible
 - Mount Ø1/2" (Ø12.7 mm) Optics up to 0.22" (5.6 mm) Thick
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SP05



LCP02
- Couple 30 mm to 60 mm Cage Segments
 - SM1 (1.035"-40) Compatible
 - Mount Ø1" (Ø25.4 mm) Optics up to 0.35" (8.6 mm) Thick

The SP05 and LCP02 Cage Plate Adapters provide a convenient means for coupling 16, 30, and 60 mm cage assemblies using our SR or ER Series cage rods. Integration of a 60 mm cage assembly with a 16 mm one can be achieved by mating the four outer holes on the SP05 with the four inner holes on the LCP02. The retaining rings for mounting optics must be purchased separately.

ITEM #	\$	£	€	RMB	DESCRIPTION
LCP02	\$ 38.00	£ 27.36	€ 33,06	¥ 302.86	30 mm to 60 mm Cage Plate Adapter
SP05	\$ 31.00	£ 22.32	€ 26,97	¥ 247.07	16 mm to 30 mm Cage Plate Adapter
SM05RR	\$ 4.00	£ 2.88	€ 3,48	¥ 31.88	SM05 (0.535"-40) Retaining Ring
SM1RR	\$ 4.50	£ 3.24	€ 3,92	¥ 35.87	SM1 (1.035"-40) Retaining Ring

