Optomechanics

CHAPTERS \

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Mechanics

Optomechanic Devices

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SECTIONS

Mini Series

Ø1/2" Post

Ø1" Post Assemblies Ø1.5" Post

Assemblies
Mounting/Angle

Lab Platforms

Instrument Shelves

Lens Tubes

Cage Systems

Optical Rails

Mirror Mounts

Kinematic Mounts

Fixed Mounts

Translation Mounts

Rotation Mounts

Filter Mounts
V-Mounts

Adapters

30 mm Cage Plate with Quick-Release Magnetic Plate



■ 30 mm Cage Compatible Back Plate

Magnetically Coupled Mounting Carriage

■ Max Optic Thickness: 0.20" (5.1 mm)

Angular Repeatability Better Than 1 µrad
 Laterial Repeatability Better Than 10µm in X, Y, and Z

The CP90F is a magnetically coupled 30 mm Cage Plate set. The three-point kinematic design offers excellent stability, precision, and repeatability. Once the back plate is locked into position, the removable front plate can be easily inserted or removed from a fully assembled cage system by rotating it sideways and then extracting it from the cage.

CP90F-B

The internal SM1 (1.035"-40) thread allows components up to 0.20" (5.1 mm) thick to be secured into the front plate with the included SM1RR retaining ring. In addition, the 0.25" (6.4 mm) thick back plate contains SM1 threads ideal for attaching SM1 Series Lens Tubes, components, and adapters. Additional front (CP90F-F) and back (CP90F-B) plates are available to easily swap out multiple filters or optics.

ITEM #	\$		£		€		RMB		DESCRIPTION
CP90F*	\$	48.00	£	34.56	€	41,76	¥	382.56	30 mm Removable Cage Plate, Front and Back Plate
CP90F-B	\$	28.00	£	20.16	€	24,36	¥	223.16	30 mm Removable Cage Plate, Back Plate
CP90F-F*	\$	28.00	£	20.16	€	24,36	¥	223.16	30 mm Removable Cage Plate, Front Plate

*One SM1RR Retaining Ring Included

Quick-Release Cage Mount



 Unique Dovetail Design Provides Smooth Release and Clamping Action

 One-Handed Operation for Removal and Repositioning of an Optic

■ Accepts Ø1" (Ø25 mm) Optics up to 0.14" (3.6 mm) Thick

 SM1 (1.035"-40) Internal Thread, 0.30" (7.6 mm) Thick





The QRC1A Quick-Release Cage Mount is equipped with a unique spring-loaded dovetail design that is used to engage cage rods for positioning. By simply squeezing the dovetails together via the cupped actuator levers, the dovetail mechanism disengages the cage rods, allowing the mount to be either quickly repositioned or completely removed from a cage assembly.



