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Find the *Newport MM-2A* at our website: ***Click HERE***

PERFORMA™ Series

Cost Effective Performance Optical Mounts



PERFORMA™ Series
Designed based on end users input, **PERFORMA** takes the industry standard MM Series and enhances its performance and function while maintaining form-fit-function…and price. All PERFORMAs are available with high precision 80 Threads Per Inch (TPI) adjustment screws. The -1 and -H versions offer ultra-high resolution 100 TPI and 80 TPI Hex adjustment, respectively. A performance, kinematic optical mount — the PERFORMA is the perfect cost effective complement to Newport's versatile, precision optical mount series — ULTIMA™.

Form-Fit-Function
The PERFORMA Series directly replaces the MM-Series optical mounts and will integrate directly into applications that use Newport's MM Series or similar mounts (see the form-fit-function cross reference on the following pages).

More for Less
PERFORMA offers a number of key improvements over the classic MM Series. These improvements are offered at the same price (in some cases less) as comparable MM Series.

Increased back plate thickness, provides enhanced stability and a platform for high precision adjustment screws.

Larger, higher precision adjustment screws (1/4-80), provide improved feel and resolution while minimizing movement (creep) induced when touching the adjustment screw.

Larger, more optimized retention springs, virtually eliminates drift between the front and back plate.

Capstan Enhanced adjustment screws, provide a convenient mechanism to further improve position resolution.

Left and right handed "thru-hole" mounting, provides quicker and more precise initial alignments.

NEW FROM NEWPORT

Key Features

- *Compact/Robust Kinematic Design*
- *Universal Design (English - Metric)*
- *Form-Fit-Function replacement for the classic MM Series optical mounts*
- *High resolution, 80-pitch adjustments*
- *7.5° range (elevation/azimuth)*
- *Ultra-High resolution, lockable 100-pitch versions available*
- *High resolution, 80-pitch, Hex head versions available*

Applications

- *Laser cavities*
- *Beam steering*
- *Precision optical systems*
- *Tabletop beam manipulation*
- *OEM/Commercial optical systems*

Why PERFORMA?

Over 25 years ago Newport introduced the first commercially available optical mounts — the MM Series. Since its introduction we've not only enhanced its capabilities, but we've expanded our optical mount family to meet the needs of a multitude of research, industrial, commercial and OEM applications. With an installed base of over one-half million MM series mounts, one would ask — why change?

Because you asked.

Newport®

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Related Products

- *SP Posts*
- *VPH/VPT, Vertical post holders*
- *SB-SP, Sliding based post holders*
- *Miniature Kinematic Mounts*

PERFORMA Series

P100-A

The -A versions offer a convenient mounting platform for 1" optics, beamsplitters and other optical components. The -AC version offers Newport's Clear Quadrant Design (CQD™), first introduced on our versatile, precision optical mount series — ULTIMA. Using performance adaptors (UPA1-.5 or UPA1-.75) allow smaller .5" and .75" optics or beamsplitters to be mounted in the P100-A.

P100-P2 and P100-P

The -P versions offer a convenient platform. These configurations used with adaptors (UPA.5, UPA.75, UPA1, UPA2) provide a stable mounting platform for .5" to 2" mirrors. When used with the optional P100-HA adaptor, the P100-P2 can be converted to a horizontal Tip/Tilt mounting platform for prisms, cubes and other components. Due to the smaller size (<50% of P100-P2) we use ultra-high precision (8-100 TPI) adjustment screws only. Also "thru-hole" mounting versions are not available.

P100-T, P100-M

The -T version when combined with the A-1.25-1 (Thin optic adaptor), provides secure mounting of thin 1" diameter optics. A series of tapped holes have been supplied to facilitate platform uses. The -M version provides a tapped 800-36 thread for mounting standard Microscope objectives.

UPA1-.5, UPA1-.75

These optic adaptors UPA1-.5 (1" to .5") and UPA1-.75 (1"-.75"), provide a convenient mechanism to utilize smaller optics within the P100-A.

UPA.5, UPA.75, UPA1 and UPA2

These optic adaptors provide a convenient and stable mechanism to hold front surface mirrors from 0.5" to 2" on either the P100-P or P100-P2. The optic and adaptor can be easily removed and replaced with minimal realignment.

P100-HA

Horizontal Adaptor provides a mechanism to convert the P100-P2 to a "center post mounted" horizontal platform. The P100-HA can also be used with the P100-A, AC, T or M.

Riser Blocks

A selection of riser blocks are available to mount your PERFORMA Series in multiple configurations.

MM Series to PERFORMA Series Riser Blocks (Cross Reference)

MM Series	PERFORMA Series	Compatible Base Plate*	Optical Height	Compatible With
RB-MM2-2	RB-P2	BP-2	2.0"	P100-A, P2, M, T
M-RB-MM2-50	M-RB-P2	M-BP-2	50 mm	P100-A, P2, M, T
RB-MM2-3	RB-P3	BP-2	3.0"	P100-A, P2, M, T
M-RB-MM2-3	M-RB-P3	M-BP-2	75 mm	P100-A, P2, M, T
RB-MM1-2	RB-P	BP-1	2.0"	P100-P
M-RB-MM1-50	M-RB-P	M-BP-1	50 mm	P100-P

** Sold separately*

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Ordering Information

Model	Description
P100-A	1" Apertured / 80 TPI Adjustments
P100-A-1	1" Apertured / 100 TPI Adjustments
P100-A-H	1" Apertured / 80 TPI Hex Adjustments
P100-AC	1" Apertured (CQD) / 80 TPI Adjustments
P100-AC-1	1" Apertured (CQD) / 100 TPI Adjustments
P100-AC-H	1" Apertured (CQD) / 80 TPI Hex Adjustments
P100-P2	2" Platform / 80 TPI Adjustments
P100-P2-1	2" Platform / 100 TPI Adjustments
P100-P2-H	2" Platform / 80 TPI Hex Adjustments
P100-T	1" Thin Optic Mount(1)/ 80 TPI Adjustments
P100-T-1	1" Thin Optic Mount(1)/ 100 TPI Adjustments
P100-T-H	1" Thin Optic Mount(1)/ 80 TPI Hex Adjustments
P100-M	Microscope Obj. Mount / 80 TPI Adjustments
P100-M-1	Microscope Obj. Mount / 100 TPI Adjustments
P100-M-H	Microscope Obj. Mount / 80 TPI Hex Adjustments
P100-P(2)	1" Platform / 100 TPI Adjustments
P100-P-H(2)	1" Platform / 100 TPI Hex Adjustments

Accessories

Model	Description
UPA.5	.5" Mirror Holder
UPA.75	.75" Mirror Holder
UPA1	1" Mirror Holder
UPA2	2" Mirror Holder
UPA1-.75	1" to 0.75" Adaptor
UPA1-.50	1" to 0.50" Adaptor
P100-HA	Horizontal Adaptor
A-1.25-1	Thin Optic Adaptor
RB-P2(2)	Riser Block 2"
RB-P3(2)	Riser Block 3"
RB-P(2)	Riser Block 2", Narrow

1) Requires the A-1.25-1 Adaptor, not included

2) For Metric, add M- preceding the part number

If you have some of the over 500,000 MM Series mounts installed and would like to know what the equivalent PERFORMA is, use this cross reference or contact Newport.

MM Series to PERFORMA Series Cross Reference

MM	PERFORMA
MM2-1A	P100-A
MM200-1A	P100-A-1
MM2-1A-HEX	P100-A-H
MM2	P100-P2
MM-200	P100-P2-1
MM-2-HEX	P100-P2-H
MM-2A	P100-T
MM-200A	P100-T-1
MM-2A-HEX	P100-T-H
MM-2M	P100-M
MM-200M	P100-M-1
MM-2M-HEX	P100-M-H
MM-1	P100-P
MM-100	P100-P
MM-1-HEX	P100-P-H

OEM Compatible

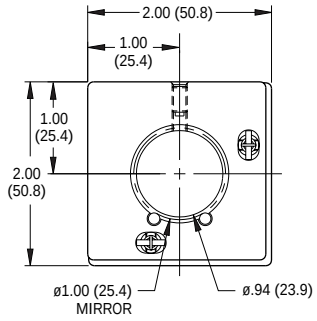
Newport's PERFORMA Series are stable cost-effective mounts, ideal for OEM Optical Systems. Call us with your custom requirements.



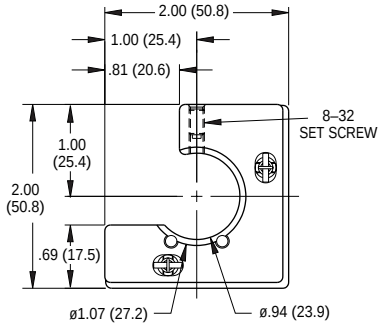
P100-A-H
(Hex Head Version)

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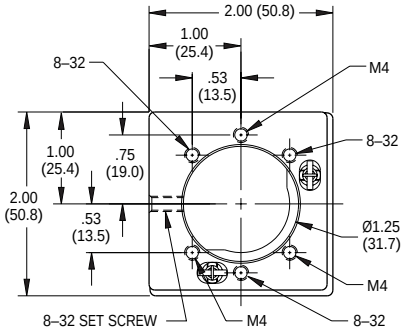
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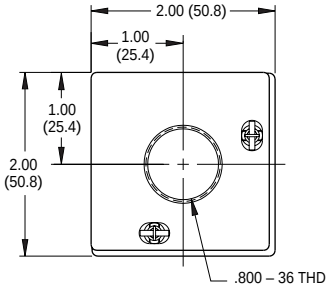
P100-A Face



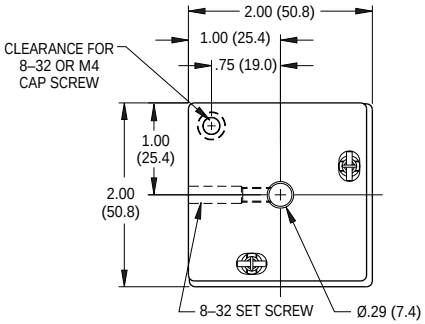
P100-AC Face



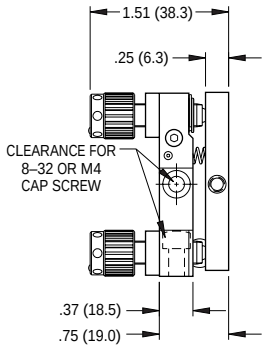
P100-T Face



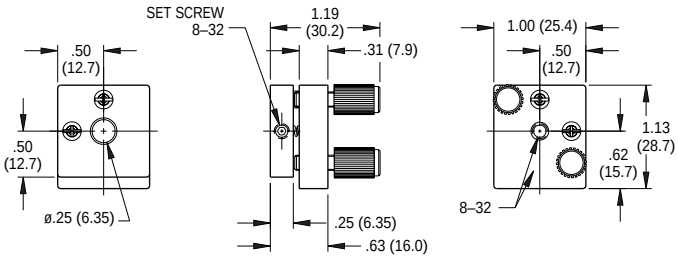
P100-M Face



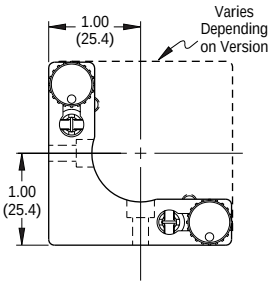
P100-P2 Face



Side View



P100-P



Back View

Warranty

All Newport PERFORMA Series mounts come with a 1-year limited warranty. A copy of the warranty terms and conditions are available upon request.

For more information or to order call **1-714-863-3144** or contact your local Newport representative. For the additional product reviews visit Newport Online at: **http://www.newport.com**

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