

NATIONAL APERTURE, INC.

P: 800-360-4598 ~ F: 603-893-7857



- HOME
- MOTION PRODUCTS
- INFORMATION
- APERTURE PRODUCTS
- TERMS
- CONTACT US

Manual Stages

MM-1R

Manual Rotary MicroMini™ Stage

FEATURES

- ❖ 3D models available
- ❖ Micro-miniature Manual Rotary Stage
- ❖ Coarse full circle and fine 0.29 rad Total
- ❖ Coarse adjusting tool included with purchase
- ❖ 19 mm Rotation Table
- ❖ 7 mm thru-hole
- ❖ Can be mounted to our MM-3X Manual Linear Stage (for X, XY, XYZ, plus rotary translation), while still retaining its thru-hole through both stages.
- ❖ Hex wrench accessibility for position and tension settings in hard to reach spaces.
- ❖ Black anodized stage body protects from damage and corrosion
- ❖ Stainless steel Thumb Screw for durability
- ❖ Vacuum compatibility (10⁻⁶ Torr)
- ❖ Bottom plate adapter available

GENERAL PRECISION:

- ❖ **Table Travel:** 360° (6.28 rad) Coarse, 17° (0.29 rad) Fine
- ❖ **Angular Travel:** 35 mrad per lead screw turn
- ❖ **Moment Load:** 3.97 oz-in (28 mNm)
- ❖ **Thru hole:** 7 mm
- ❖ Coarse adjustment tool included
- ❖ Vacuum compatible to 10⁻⁶ Torr

GENERAL DATA:

- ❖ **Radial Load:** 0.23 kg
- ❖ **Thrust Axial:** 0.45 kg (direct top load)
- ❖ **Body Size:** 25.4 mm
- ❖ **Table Size:** 19 mm
- ❖ **Travel Ranges:** 360°
- ❖ **Weight:** 10 grams

Order MM-1R

MM-1R
\$370.00

Qty:



[View Schematic](#)

[Click here to order accessories](#)

3D models available

your email required

Note: There are six 0-80 holes spaced 10.87 mm apart in the Base Plate of the MM-1R and four opened mounting slots. The Base Plate hole pattern matches the hole spacing on all manual MM-3 MicroMini™ Linear Stages, which allows the MM-1R to be mounted directly to any NAI Manual Linear Stage by using two 0-80 screws.

Specifications MM-1R

Angular travel per lead screw turn:	36.7 μrad
Fine Adjustment Range:	0.29 rad Total
Coarse Adjust:	full circle continuous
Thrust "Axial":	0.45 kg
Radial Load:	0.23 kg
Torque:	3.97 oz-in (28 mNm)
Moment Load:	3.97 oz-in (28 mNm)

	Dimensions: O.D. x H, not including lead screw extension
MM-1R	25.44 x 12.5 (mm)
Weight:	10 g

The information contained on this website is subject to change without notice. Critical dimensions or specifications should be verified with our technical support staff.

Shopping Cart

Items List

Part	Qty	Price	Subtotal
Total: \$0.00			
clear items			



[Download Catalog](#)

Manual Stages

- [MM-1 Series](#)
- [MM-2 Series](#)
- [MM-3 Series](#)
- [MM-3CRD](#)
- [MM-1R Rotary](#)
- [MM-3GF Goniometer](#)

National Aperture, Inc. 5 Northwestern Drive Salem, NH 03079
800-360-4598 • 603-893-7393 • FAX 603-893-7857
Copyright © 2016. All Rights Reserved.
Designed by [Web-Kare, LLP](#).