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20X to 100X Multi-Function Target

Stock **#56-077** CLEARANCE **3 In Stock**

- 1 + MRP ₹2,31,086

Price inclusive of all taxes

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Volume Pricing	
Qty 1+	**₹2,31,086** each
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Product Downloads

Physical & Mechanical Properties

Dimensions (inches):
1 x 3

Thickness (mm):
9.00

Overall Accuracy (µm):
±1.0

Parallelism (arcmin):
1.00

Optical Properties

Coating:
Evaporated Chrome Pattern

Substrate:
Fused Silica (Corning 7980)

Surface Quality:
10-2

Surface Flatness (P-V):
3 - 4λ

Regulatory Compliance

RoHS 2015:
Compliant

Certificate of Conformance:
View

Reach 240:
Compliant

Country of Origin:
United States

Imported By:
Edmund Optics India Private Limited
267, Greystone Building, Second Floor,
6th Cross Rd, Binnamangala,
Stage 1, Indiranagar, Bengaluru,
Karnataka, India 560038
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Product Details

- Designed for Measurement Calibration; Ideal for Microscopes and Machine Vision Systems
- Includes Ronchi Rulings, Concentric Circles, Square Grids, and a Linear Microscale
- Two Targets Available for Different Magnifications
- NIST Certificate of Accuracy Included

Use these "all-in-one" targets to measure microscope and vision system parameters, without separate calibration targets. Targets will test and calibrate our Mitutoyo objectives, Zeiss microscopes, and high magnification video lenses for resolution, distortion, and depth of field (DOF). Targets include variable frequency Ronchi rulings, sets of grids and concentric circles with varying line spacings and widths, a microscale, and edge blocks to prop up target for DOF measurements.

Use Low Frequency Target for optical systems with 4X to 20X objectives. Target is useful for machine vision systems with low magnifications and long focal distances.

Use High Frequency Target for optical systems with 20X to 100X objectives. Target is useful for microscopes and other systems with high magnifications and short focal distances.

Technical Information

Outer Diameter (mm)	**Line Spacing (mm)**	**Line Width (µm)**
5.0	0.25	20
4.0	0.25	15
3.0	0.25	10
2.0	0.10	7.5
1.0	0.10	5

Width (mm)	**Line Spacing (mm)**	**Line Width (µm)**
4.5	0.25	20
4.5	0.25	15
4.5	0.25	10
4.5	0.10	15
4.5	0.10	10
4.5	0.10	5
2.55	0.075	10
2.55	0.075	5
2.55	0.050	5
2.55	0.050	2.5

Range (lp/mm)	**Frequency Change (lp/mm)**
60 - 380	20

Length (mm)	Divisions/mm	Microns/divisions
0 - 68.2	20	50

Outer Diameter (mm)	**Line Spacing (mm)**	**Line Width (µm)**
3.0	0.25	10
2.0	0.10	7.5
1.5	0.10	5
1.0	0.05	5
1.0	0.05	2.5

Width (mm)	**Line Spacing (mm)**	**Line Width (µm)**
3.0	0.25	10
3.0	0.25	7.5
3.0	0.25	5
3.0	0.10	10
3.0	0.10	7.5
3.0	0.10	5
2.55	0.075	10
2.55	0.075	5
2.55	0.050	5
2.55	0.050	2.5

Range (lp/mm)	Frequency Change (lp/mm)
240 - 600	10

Length (mm)	Divisions/mm	Microns/divisions
0 - 68.2	20	50

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