

[All Products](#) / [Test Targets](#) / [Image Analysis Micrometers](#)

[See all 4 Products in Family](#)

Image Analysis

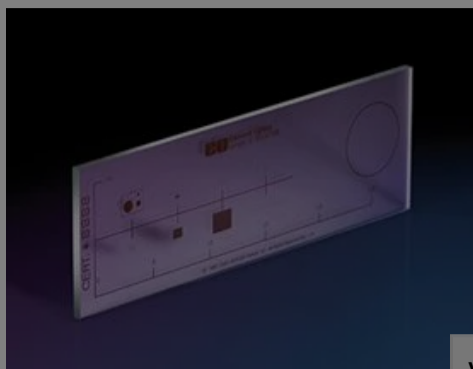


Image Analysis Micrometers

Please select your shipping country to view the most accurate inventory information, and to determine the correct Edmund Optics sales office for your order.

Select Your Country/Region: European Union

Submit

1

€520⁰⁰

ADD TO CART

Volume Pricing	
Qty 1-4	€520,00 each
Qty 5+	€494,50 each
Need More?	Request Quote

Prices shown are exclusive of VAT/local taxes

Product Downloads

- STEP:step
- PDF Drawing:pdf
- IGES:igs
- eDrawing:eprt
- EO Spec Sheet
- [Download All](#)

General

NIST Certification: No

Physical & Mechanical Properties

Scale Divisions: 0 to 2.5 inches

Increments: 0.5 inches

Dimensions (mm): 25.4 x 76.2

Thickness (mm): 1.50 ±0.100

Dimensional Tolerance (mm): ±0.100

Pattern Tolerance (µm): ±2 (±4 for Plate 1 Item #3 and #4)

Optical Properties

Substrate: Chrome on Glass

Surface Quality: 60-40

Regulatory Compliance

RoHS 2015: **Compliant**

Certificate of Conformance: [View](#)

Reach 235: **Compliant**

Product Details

- Designed for Morphological Calibration and Measurement
- 8 Test Plates of Various Patterns
- NIST Certified Version Available

Image Analysis Micrometers are ideal for morphological calibration and measurement of two-dimensional shapes. They feature eight test plates in various sizes of circles, squares, lines, and other geometries. Small patterns, featuring diameters as small as 6.25µm, are ideal for image analysis and machine vision systems, whereas larger features, including a 2.5" linear scale and 0.5" diameter circle, are available for macro inspection. Test plates 1-4 correspond to top patterns and 5-8 to bottom patterns from the left to right. Image Analysis Micrometers are available in NIST certified versions which conform to ASTM-E112 requirements with plate 1, 2, and 8 measured and calibrated.

Technical Information

Please select your shipping country to view the most accurate inventory information, and to determine the correct Edmund Optics sales office for your order.

Select Your Country/Region:

Plate	Size	Features
1	4.0 x 3.5mm	Circles with 2.00, 1.00, 0.50, and 0.25mm diameter
2	1.0 x 0.8mm	Circles with 0.500, 0.250, 0.125, 0.0625mm diameter
3	1.0 x 0.8mm	7 bars separated by 30°, 0.200 x 0.020mm
4	1.0 x 0.8mm	Various circles, bars, and angular features
5	1.0 x 0.8mm	Squares of 0.100, 0.040, 0.020mm (2 sets)
6	2.05 x 1.65mm	Grid with 0.050mm lines at 0.100mm pitch
7	4.2 x 3.4mm	Grid with 0.200mm lines at 0.200mm pitch
8	10mm long	Scale with 0.010mm divisions

Frequently Purchased Together



#34-480 - 100 x 100mm White Diffusing Glass
€66,00

Qty



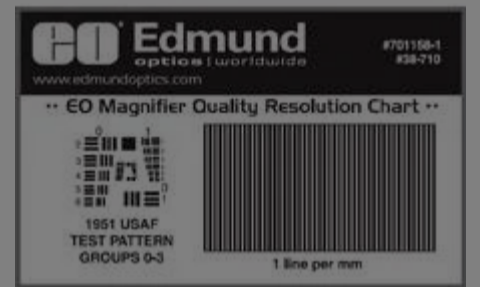
#36-275 - 3" x 3" Positive, USAF 1951 Resolution Target
€297,00

Qty



#38-513 - 30mm Inner Diameter, Ring Mount
€60,50

Qty



#38-710 - USAF Resolution Target Pocket Size
€9,75

Qty

Resources

Media Type

- Video
- FAQ
- Application Note

▶ VIDEO

Wavelength and f#

? FAQ

What is a video micrometer?

? FAQ

What is the cycle length of a Metric Ronchi Rulina?

▶ VIDEO

Lens Types, Resolution, and Sensor Coverage

▶ VIDEO

Axial and Lateral Chromatic Aberration

▶ VIDEO

Best Practice #6 There Can Be Only One

[View More](#)

Please select your shipping country to view the most accurate inventory information, and to determine the correct Edmund Optics sales office for your order.

Select Your Country/Region: