

## 20X to 100X Multi-Function Target



Stock **#56-077** CLEARANCE **4 In Stock**

-

1

+

A\$3,480<sup>.00</sup>

ADD TO CART

| Volume Pricing |                               |
|----------------|-------------------------------|
| Qty 1-4        | A\$3,480.00 each              |
| Qty 5+         | A\$3,307.04 each              |
| Need More?     | <a href="#">Request Quote</a> |

| Product Downloads |
|-------------------|
|-------------------|

| Physical & Mechanical Properties |                        |
|----------------------------------|------------------------|
| 1 x3                             | Dimensions (inches):   |
| 9.00                             | Thickness (mm):        |
| ±1.0                             | Overall Accuracy (µm): |
| 1.00                             | Parallelism (arcmin):  |
| Optical Properties               |                        |

|                                             |  |
|---------------------------------------------|--|
| Coating:                                    |  |
| Evaporated Chrome Pattern                   |  |
| Substrate:                                  |  |
| <a href="#">Fused Silica</a> (Corning 7980) |  |
| Surface Quality:                            |  |
| 10-2                                        |  |
| Surface Flatness (P-V):                     |  |
| 3 - 4λ                                      |  |

|                             |  |
|-----------------------------|--|
| Regulatory Compliance       |  |
| RoHS 2015:                  |  |
| <a href="#">Compliant</a>   |  |
| Certificate of Conformance: |  |
| <a href="#">View</a>        |  |
| Reach 240:                  |  |
| <a href="#">Compliant</a>   |  |

## Product Details

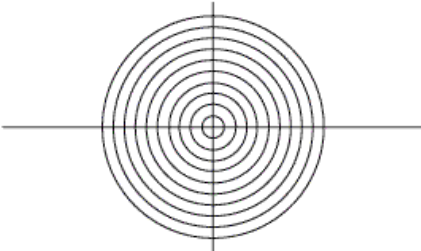
- Designed for Measurement Calibration; Ideal for Microscopes and Machine Vision Systems
- Includes Ronchi Rulings, Concentric Circles, Square Grids , and a Linear Microscale
- Two Targets Available for Different Magnifications
- NIST Certificate of Accuracy Included

Use these "all-in-one" targets to measure microscope and vision system parameters, without separate calibration targets. Targets will test and calibrate our Mtutoyo 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. A user information card, complete manual on CD, and NIST certificate are provided.

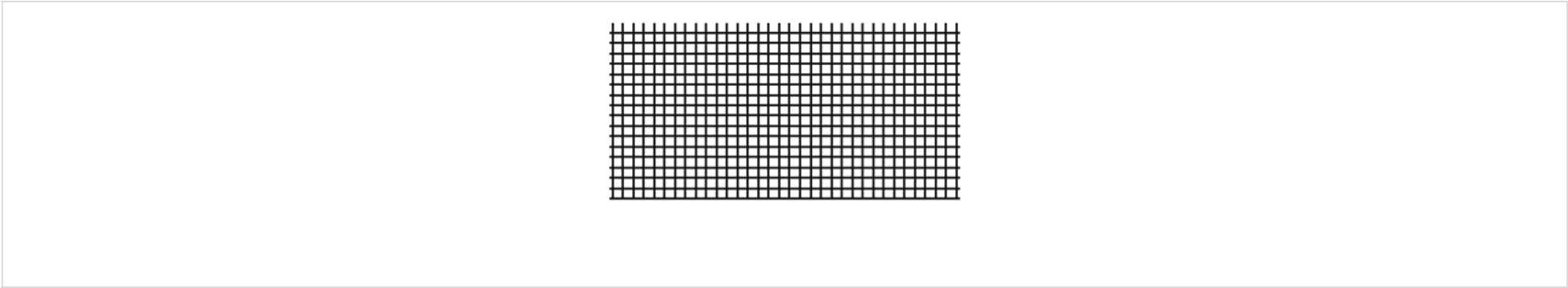
Use Low Frequency Target for optical systems with 4X to 20X objectives. Target is useful for machine vision systems with low magnifications and long focal distances.

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               |
|  |                   |                 |

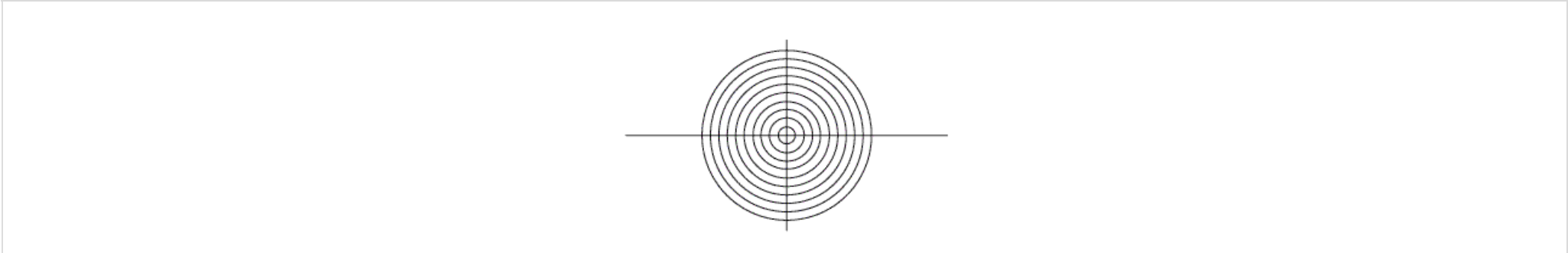
| Width (mm) | Line Spacing (mm) | Line Width (μm) |
|------------|-------------------|-----------------|
| 4.5        | 0.25              | 20              |
| 4.5        | 0.25              | 15              |
| 4.5        | 0.25              | 10              |
| 4.5        | 0.10              | 15              |
| 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             |



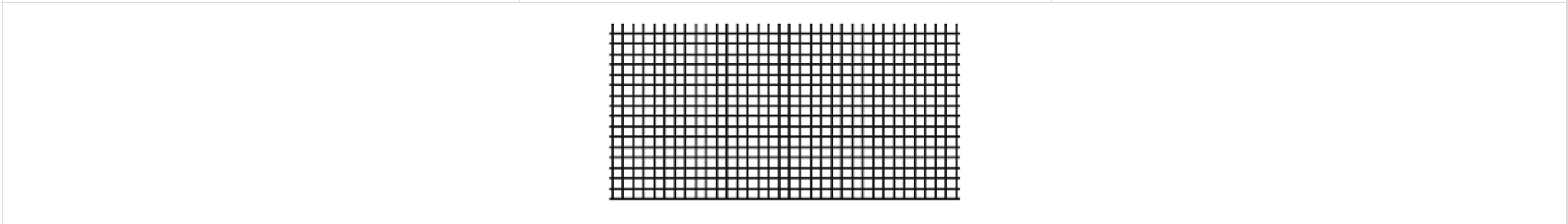
| Range (lp/mm) | Frequency Change (lp/mm) |
|---------------|--------------------------|
| 60 - 380      | 20                       |

| 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                |