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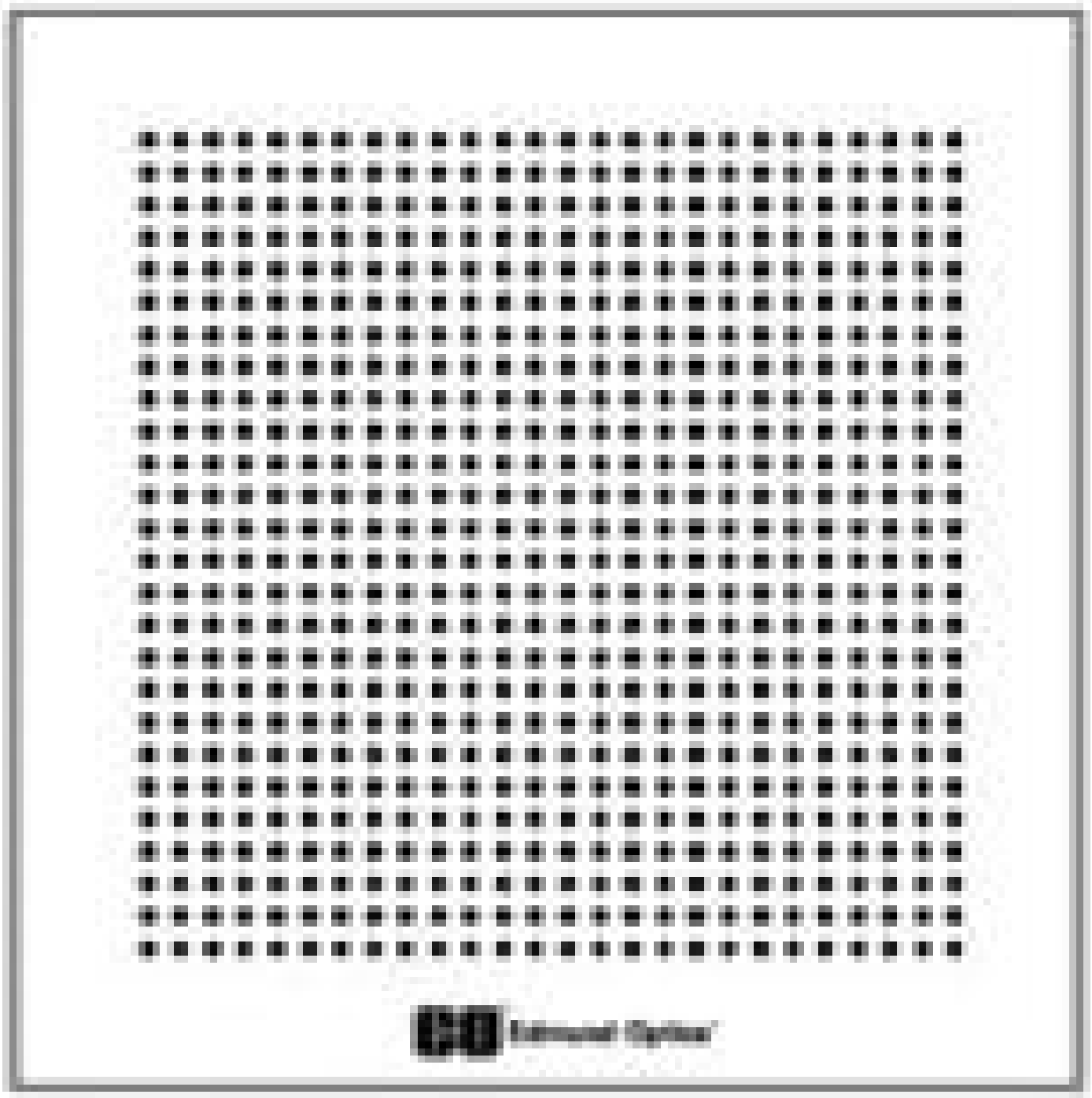
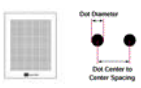
100 x 100mm, 1.0mm Spacing, Glass Distortion Target





Stock **#59-217** **1 In Stock**

- 1 + **A$2,360**.00

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Qty 1-4	**A$2,360.00** each
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General

Type:
Chrome on Glass

NIST Certification:
Serialized NIST Traceable Certificate Included

Physical & Mechanical Properties

Dot Diameter (mm):
0.500

Dot Spacing (mm):
1.000

Overall Accuracy (mm):
±0.002

Pattern Size (mm):
100 x 100

Dimensions (inches):
5 x 5

Thickness (mm):
1.50

Dot Diameter Tolerance (mm):
± 0.002

Dot Spacing Tolerance (mm):
± 0.002 Center to Center

Flatness (inches):
0.001

Optical Properties

Coating:
Reflective First Surface Chromium
R_{abs} = 50% ±5% @ 550nm

Substrate:
Soda Lime Float Glass

Optical Density OD (Average):
>3.0

Surface Quality:
40-20

Regulatory Compliance

RoHS 2015:
Compliant

Certificate of Conformance:
View

Reach 240:
Compliant

Product Details

- For Distortion Measurement and Calibration of Imaging Systems
- Chrome on Soda Lime Glass or Chrome on White Ivory Glass Versions
- NIST Certificate of Accuracy Included

Fixed Frequency Grid Distortion Targets are used to resolve the often-troublesome distortion factor in measurement applications. It is important to note that no information about the object is actually lost, but merely misplaced in the image when distortion occurs. Using these targets, one can easily determine the precise amount of distortion present and back it out of measurements. The dot center can be located using blob (or centroid) analysis in measurement software. Fixed Frequency Grid Distortion Targets are available in various options each with different dot size/dot frequency combinations. Choose a target based on your field of view or resolution/accuracy requirements. These targets are available in either a chrome on soda lime glass or chrome on white ivory glass to accommodate transmission or reflection-based applications, respectively. Included in the packaging is a serialized NIST Traceable Certificate of Accuracy per MIL-STD-45662A.

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