



High-precision photolithography and glass machining

PRODUCT DATASHEET

Calibration Plates and Targets

SUBSTRATE & COATING

Substrate Material	Glass Sodalime, Quartz, D263, optical filter — other substrates on request
Coating on Substrate	Reflective chromium (R > 60%) or antireflective chromium (R < 5% at a specific wavelength)

PATTERN & RESOLUTION

Minimum Feature / Line Width	0.6 µm
Pattern Types	custom patterns or standardized test chart such as USAF1951, Siemens star

DIMENSIONS

Dimensions	According to customer specifications
Machining	Machining with precise alignment of the pattern to the outer shape
Dimensional Tolerance	±0.1 mm on cut dimensions (tighter tolerances on request)

TYPICAL USE CASES

Optical System Calibration

Precise chromium patterns on optically flat substrates provide reference features for calibrating cameras, microscopes, and metrology instruments. Reflective and antireflective chromium coatings deliver the high contrast required for accurate measurement and image analysis.

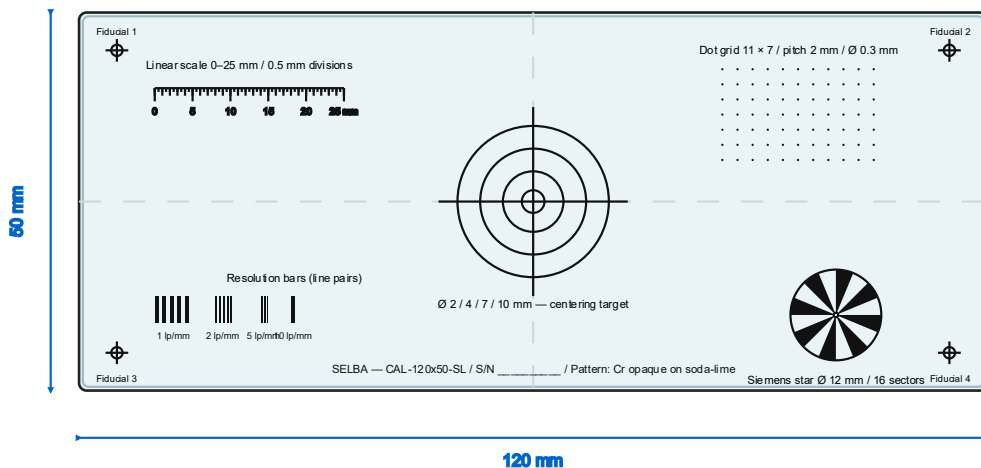
Precision Metrology Targets

Used for machine vision, microscopy, and dimensional metrology. Precise alignment of the pattern to the outer shape ensures reliable referencing and repeatable measurements.



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HOW TO ORDER

Calibration plates and targets are manufactured to order. Please provide the following information when requesting a quotation:

- 1 Plate dimensions and outer shape — according to customer specifications
- 2 Data input — GDS, DXF, Gerber, or PDF format
- 3 Substrate material — Sodalime, Quartz, D263, optical filter, or other on request
- 4 Coating — reflective chromium ($R > 60\%$) or antireflective chromium ($R < 5\%$), single- or double-sided
- 5 Required quantity and delivery timeframe

Request a Quote

Contact us for custom calibration plate and target solutions tailored to your application and specifications.

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** All values are nominal. Selba reserves the right to update specifications without prior notice. Custom tolerances and special requirements available on request.*