

2" x 2" Negative, USAF 1951 Resolution Target



Stock #38-256 **20+ In Stock**

⊖ 1 ⊕ C\$305^{.20}

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Volume Pricing

Qty 1-4	C\$305.20 each
Qty 5+	C\$290.64 each
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Product Downloads

General

Negative Target **Type:**

Standard Resolution **Options:**

Physical & Mechanical Properties

2 x 2 **Dimensions (inches):**

1.50 **Thickness (mm):**

Edges:
Beveled

Flatness (mm):
≤0.00254

Optical Properties

Coating:
Vacuum-Deposited Durable Chromium

Substrate: □
Float Glass

Optical Density OD (Average):
≥3.0

Resolution:
Minimum: Group 0, Element 1
Maximum: Group 7, Element 6

Surface Quality:
20-10

Regulatory Compliance

RoHS 2015:
[Compliant](#)

Certificate of Conformance:
[View](#)

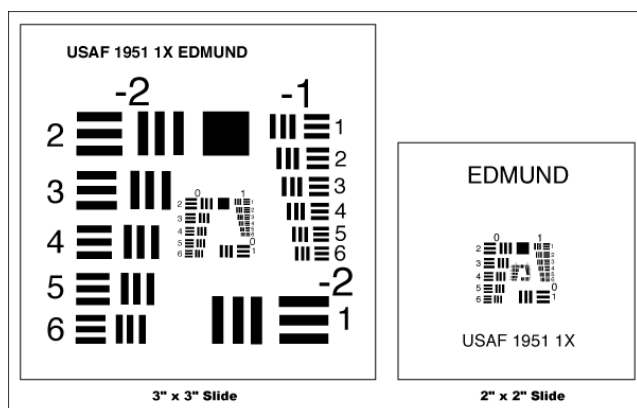
Reach 240:
[Compliant](#)

Product Details

- Negative and Positive Patterns On Glass
- Two Sizes Available
- Each is Boxed and Includes Resolution Value Chart
- High Resolution Target Available (down to 645 lp/mm)

USAF 1951 Glass Slide Resolution Test Targets are available in either positive (chrome pattern on clear background) or negative (clear pattern on a chrome background). The positive pattern is recommended for the quality control of microscopes and magnifiers. The negative pattern is ideal for collimators and other illuminated test equipment. USAF 1951 Glass Slide Resolution Test Targets are boxed and include a resolution value chart. The targets conform to ML-S-150A.

Technical Information



Element	Group Number											For High Res only	
	-2	-1	0	1	2	3	4	5	6	7	8	9	
1	0.250	0.500	1.00	2.00	4.00	8.00	16.00	32.0	64.0	128.0	256.0	512.0	
2	0.280	0.561	1.12	2.24	4.49	8.98	17.95	36.0	71.8	144.0	287.0	575.0	
3	0.315	0.630	1.26	2.52	5.04	10.10	20.16	40.3	80.6	161.0	323.0	645.0	
4	0.353	0.707	1.41	2.83	5.66	11.30	22.62	45.3	90.5	181.0	362.0	—	
5	0.397	0.793	1.59	3.17	6.35	12.70	25.39	50.8	102.0	203.0	406.0	—	
6	0.445	0.891	1.78	3.56	7.13	14.30	28.50	57.0	114.0	228.0	456.0	—	

Condition	Positive Test Target	Negative Test Target
Lighting Condition	Front-lit or general lighting	Back-lit or highly illuminated
Appearance of Bars	Dark bars on a bright background	Bright bars on a dark background
Application	General optical testing	High-contrast or back-lit testing
Substrate	Clear substrate with chrome patterns	Chrome-covered substrate with clear patterns
Example Use Case	Microscope calibration	Projection systems, back-lit displays