

Aluminized Square, Rectangular & Elliptical Mirrors

Optics

Lenses & Microscope Components

Coatings

Mirrors, Beamsplitters

Prisms & Polarizers

Filters

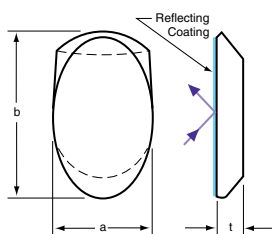
Pinholes

- Protected aluminum coating
- Elliptical mirrors for circular cross-sections

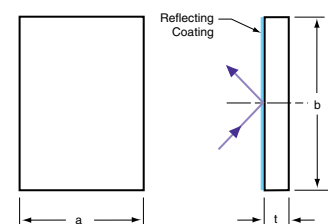
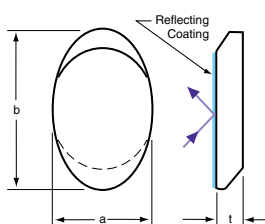
These mirrors are useful in many situations where round mirrors are inappropriate. Elliptical mirrors have a circular cross section when used at 45 degrees.



Type 1



Type 2



Opto-mechanics

Breadboards & Rails

Mounting Hardware

Mirror & Component Mounts

Manual Micro-positioners

Motorized Positioners

Specifications

Elliptical Flat Mirrors

RESEARCH QUALITY

Material: Pyrex

Dimensions Tolerance: ±1%

Thickness Tolerance: ±7%

Surface Accuracy: $\lambda/8$ at 633 nm

Surface Quality: 60-40

Coating: Protected Aluminum

Square & Rectangular Flat Mirrors

LABORATORY QUALITY

Material: Pyrex

Dimensions Tolerance: ±0.5 mm

Thickness Tolerance: +0.5-1.5 mm

Surface Accuracy: $\lambda/4$ at 633 nm

Surface Quality: 60-40

Coating: Protected Aluminum

UTILITY QUALITY

Material: Crown Glass

Dimensions Tolerance: ±0.5 mm

Thickness Tolerance: +0.5-1.5 mm

Surface Accuracy: 1-3 $\lambda/25$ mm at 633 nm

Surface Quality: 80-50

Coating: Protected Aluminum

Aluminized Elliptical Flat Mirrors Research Quality

Catalog Number	Width a (mm)	Height b (mm)	Thickness t (mm)
23-3262 ²	12.7	18.0	3.8
23-3296 ²	22.2	31.4	6.4
23-3304 ²	27.0	38.2	6.4
23-3312 ¹	31.8	44.9	9.5
23-3320 ¹	38.1	53.9	9.5
23-3338 ¹	47.6	67.3	11.7
23-3346 ²	57.2	80.8	15.9
23-3353 ²	66.7	94.3	15.9
23-3361 ²	76.2	107.7	19.1

Aluminized Rectangular and Square Flat Mirrors - Laboratory Quality

Catalog Number	Width a (mm)	Height b (mm)	Thickness t (mm)
23-4161	25.4	25.4	6.35
23-4476	25.4	38.1	6.35
23-4179	25.4	50.8	9.60
23-4195	25.4	101.6	9.60
23-4203	50.8	50.8	9.60
23-4211	50.8	76.2	9.60
23-4229	50.8	101.6	9.60
23-4237	76.2	76.2	9.60
23-4245	76.2	101.6	9.60
23-4252	101.6	101.6	12.70

Aluminized Rectangular and Square Flat Mirrors - Utility Quality

Catalog Number	Width a (mm)	Height b (mm)	Thickness t (mm)
23-5358	25.4	25.4	6.35
23-5374	25.4	38.1	6.35
23-5390	25.4	50.8	6.35
23-5416	25.4	76.2	6.35
23-5432	25.4	101.6	6.35
23-5457	50.8	50.8	6.35
23-5473	50.8	76.2	6.35
23-5499	50.8	101.6	6.35
23-5614	76.2	76.2	6.35
23-5630	76.2	101.6	6.35
23-5655	101.6	101.6	6.35

^{1,2} The numbers next to the catalog numbers refer to the type of mirror, as shown in the diagrams above.

Optical Instruments

Light Sources

Light Measurement

Diode Laser Modules