



MIRRORS

The material chosen for mirrors usually depends on its surface quality, durability, adhesion of coatings, resistance to thermal expansion, etc. This section contains some of the more commonly used substrates and mirror shapes.

Pyrex®

Substrate material	Pyrex glass or substitute
Dia tolerance	+0,-0.005" (+0,-0.13 mm)
Th tolerance	±0.010" (±0.25 mm)
Clear Aperture	85% Central Diameter
Parallelism	3 arc min
Flatness	1/4 wave at 633 nm
Surface Quality	40/20
Coating	Protective Gold

CAT#	DIA, in	DIA, mm	CT, mm
P-MF-AU-12	0.5	12.7	3.15
P-MF-AU-25	1.0	25.4	6.35
P-MF-AU-38	1.5	38.1	6.35
P-MF-AU-50	2.0	50.8	9.5
P-MF-AU-76	3.0	76.2	12.7
P-MF-AU-101	4.0	101.6	12.7
P-MF-AU-127	5.0	127.0	19.0
P-MF-AU-152	6.0	152.4	25.4

Zerodur®

Substrate material	Zerodur glass or zero-expansion substitute
Dia tolerance	+0,-0.005" (+0,-0.13 mm)
Th tolerance	±0.010" (±0.25 mm)
Clear Aperture	85% Central Diameter
Parallelism	3 arc min
Flatness	1/4 wave at 633 nm
Surface Quality	40/20
Coating	Protective Gold

CAT#	DIA, in	DIA, mm	CT, mm
Z-MF-AU-12	0.5	12.7	3.15
Z-MF-AU-25	1.0	25.4	6.35
Z-MF-AU-38	1.5	38.1	6.35
Z-MF-AU-50	2.0	50.8	9.5
Z-MF-AU-76	3.0	76.2	12.7
Z-MF-AU-101	4.0	101.6	12.7
Z-MF-AU-127	5.0	127.0	19.0
Z-MF-AU-152	6.0	152.4	25.4

Custom sizes and specifications are available

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