

STOCKOPTICS ASPHERES



The StockOptics aspheres product range includes an exclusive selection of standardized optics. Choose between the innovative diversity of our stocked a|High-NA, a|Low-NA and a|UV-grade fused silica lenses.

Specifications	a High-NA	a Low-NA	a UV-grade fused silica
Diameter	10 – 50 mm	12.5 – 100 mm	12.5 – 100 mm
Diameter Tolerance	+0/-0.05 mm	+0/-0.05 mm	+0/-0.05 mm
NA	0.49 – 0.61	0.23 – 0.61	0.29 – 0.48
f/d	0.71 – 0.90	0.8 – 2.0	1.0 – 1.6
λ_{Design}	780 nm	780 nm	285 nm
RMS Irregularities (RMS _s)	≤ 0.5 μm	≤ 0.5 μm	≤ 0.3 μm
EFL Tolerance	≤ 0.1%	≤ 0.1%	≤ 0.1%
Surface Imperfections (Scratch/Dig)	60 - 40	60 - 40	20 - 20
Center Thickness Tolerance	± 0.05 mm	± 0.05 mm	± 0.05 mm
Clear Aperture	≥ 90%	≥ 90%	≥ 90%
Coating	3 standard coatings ¹	3 standard coatings ¹	4 standard coatings ²
Material	S-LAH64	N-BK7	Fused silica
Mounting	Available for selected lenses	Available for selected lenses	Available for selected lenses
RoHS & REACH Conformity	Certified		


¹ A: R_{MAX}<1.0%, R_{AVG}≤0.4%, 400-600 nm, AOI=0° | B: R_{MAX}<1.0%, R_{AVG}≤0.4%, 600-1050 nm, AOI=0° | C: R_{MAX}<1.0%, R_{AVG}≤0.4%, 1000-1600 nm, AOI=0°

² A: R_{MAX}<1.0%, R_{AVG}≤0.4%, 400-600 nm, AOI=0° | B: R_{MAX}<1.0%, R_{AVG}≤0.4%, 600-1050 nm, AOI=0° | C: R_{MAX}<1.0%, R_{AVG}≤0.4%, 1000-1600 nm, AOI=0° | X: R_{MAX}<1.0%, R_{AVG}≤0.4%, 240-380 nm, AOI=0°

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