

ACYLINDERS

asphericon offers aspheric cylinders in plano-convex, plano-concave, bi-concave or biconcave shapes and with both spherical and aspheric rear surfaces. Benefit from the following specifications of our customized and stocked axicons.

Specifications	Custom Acylinder	StockOptics Acylinder
Diameter	Up to 200 × 96 mm	10 × 10 – 50 × 50 mm
RMS Irregularities (RMS _r)	20 nm	≤500 nm
Surface Imperfections (Scratch/Dig)	20 - 10	40 - 20
Coating	Customer-specific	3 standard coatings ¹
Laser Damage Threshold	Customer-specific	12 J/cm ² , 100 Hz, 6 ns, 532 nm
Full-surface Interferometric Measurement	Optional	Optional
Materials	Customer-specific (almost every type of glass, silica, germanium, silicon, IR lenses, zerodur)	S-LAH64
Mounting	Customer-specific	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°

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