

AXICONS

In contrast to an aspheric lens, the shape of an axicon resembles a cone. The conical shape generates ring-shaped beam profiles, which can be used in a variety of applications. Discover our selection of customized and stocked axicons.

Specifications	Custom Axicons	StockOptics Axicons
Diameter	1 – 420 mm	25.4 / 50.8 mm
Diameter Tolerance	+/- 0.03 mm	+/- 0.1 mm
RMS Irregularities (RMS _r)	40 nm	≤70 nm
Surface Imperfections (Scratch/Dig)	20 - 10	40 - 20
Coating	Customer-specific	4 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)	Fused silica
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° | X: R_{MAX}<1.0%, R_{AVG}≤0.4%, 240-380 nm, AOI=0°

asphericon GmbH
Stockholmer Str. 9 | 07747 Jena
Germany

+49 (0) 3641 - 3100 560
+49 (0) 3641 - 3100 561

asphericon, Inc.
2601 Cattlemen Road, Suite 301
Sarasota, FL 34232 | USA

+1 - 941 - 564 0890

asphericon, s.r.o.
Miliřská 449 | Jeřmanice 463 12
Czech Republic

+420 488 100 300

sales@asphericon.com

www.asphericon.com