

CUSTOM SPHERES

asphericon’s product range includes plano-convex/plano-concave, bi-convex/bi-concave lenses as well as achromatic singlets, douplets and triplets in a wide variety of geometries and materials.

Specifications	Standard-Quality	Precision-Quality	High-End-Finishing
Diameter	8 – 300 mm	8 – 300 mm	8 – 300 mm
Diameter Tolerance	± 0.1 mm	± 0.1 mm	± 0.1 mm
Center Thickness	2 > CT < 100 mm	2 > CT < 100 mm	2 > CT < 100 mm
Center Thickness Tolerance	± 0.1 mm	± 0.03 mm	± 0.01 mm
Tolerance of Radius	± 0.1%	± 0.01%	± 0.01%
Tilt	300°	30°	15°
Surface Irregularity	0.8 fr	0.3 fr	0.3 fr
Surface Imperfections (Scratch/Dig)	60 - 40	40 - 20	20 - 10
Surface Roughness Rq	2 nm	1.5 nm	0.5 nm
Coating	Customer-specific		
Materials	Customer-specific (crystals, germanium, silicon, metals, PMMA, IR materials)		
RoHS & REACH Conformity	Certified		

asphericon GmbH
Stockholmer Str. 9 | 07747 Jena
Germany

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

asphericon, Inc.
5500 Bee Ridge Road, Suite 104
Sarasota, FL 34233 | 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