

## CUSTOM ASPHERES

Looking for a custom solution? asphericon manufactures aspheric optics with diameters between 1 mm to 420 mm and roughness values of up to 0.5 Rq. Discover our customized aspheres with the following specifications.

Specifications	Standard-Quality	Precision-Quality	High-End-Finishing	Diamond-Turning
Diameter	8 – 300 mm	4 – 250 mm	6 – 300 mm	1 – 420 mm
Diameter Tolerance	± 0.10 mm	± 0.01 mm	± 0.01 mm	
Center Thickness	2 – 60 mm	2 – 60 mm	<60 mm	from 0.5 mm
Center Thickness Tolerance	± 0.10 mm	± 0.05 mm	± 0.05 mm	
RMS Irregularities (RMS <sub>i</sub> )	0.75 – 0.3 μm	0.09 μm	< 0.015 μm	0.02 μm
Surface Roughness	3 nm	1.5 nm	0.5 nm	1 nm
Surface Imperfections (Scratch/Dig)	60 - 40	40 - 20	10 - 5 for Ø < 2"; 20 - 10 for Ø > 2"	
Full-surface Interferometric Measuremen	Optional	Optional	Guaranteed	Guaranteed
Coating	Customer-specific			
Materials	Customer-specific (almost every type of glass, silica, germanium, silicon, IR lenses, zerodur)			
Mounting	Customer-specific			
RoHS & REACH Conformity	Certified			

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