

FREEFORMS

The use of freeforms reduces the number of elements in an optical system, allowing smaller, lighter and more efficient systems. Discover the advantages of freeform optics and systems that can be realized with asphericon's innovative technologies.

Specifications	Standard-Quality	Precision-Quality	Diamond-Turning
Diameter	8 – 300 mm	4 – 300 mm	1 – 150 mm
Diameter Tolerance	± 0.10 mm	± 0.01 mm	
Center Thickness	2 – 60 mm	2 – 60 mm	from 0.5 mm
Center Thickness Tolerance	± 0.10 mm	± 0.05 mm	
RMS Irregularities (RMS _i)	0.75 – 0.3 μm	0.09 μm	0.1 μm
Surface Roughness Rq	2.0 – 3.0 nm	1.5 – 2.0 nm	up to 1 nm
Full-surface Interferometric Measuremen		Optional	
Coating		Customer-specific	
Materials		Customer-specific (including ceramics)	
Mounting		Customer-specific	

asphericon GmbH
 Stockholmer Str. 9 | 07747 Jena
 Germany

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

asphericon, Inc.
 8586 Potter Park Drive
 Sarasota, FL 34238 | 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