



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

 +420 488 100 300

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

 +1 - 941 - 564 0890

 sales@asphericon.com

 www.asphericon.com