

## 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 <sub>i</sub> )	0.75 – 0.3 μm	0.09 μm	0.1 μm
Surface Roughness	2.0 – 3.0 nm	1.5 – 2.0 nm	up to 1 nm
Full-surface Interferometric Measurements		Optional	
Coating		Customer-specific	
Materials		Customer-specific (including ceramics)	
Mounting		Customer-specific	

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