

Optical Half Ball Lens

Half-ball lenses are suited for fiber communication, endoscopy, microscopy, optical pick-up devices, and laser measurement systems. They are available in various diameters and refractive indices.



Overview

Precision Optical Half-Ball Lenses

These hemispherical lenses are essential components designed for high-precision applications, including fiber communication, endoscopy, and laser measurement systems. Engineered for superior performance, they offer excellent light transmission and minimal distortion. Available in a wide range of diameters, these lenses provide the flexibility needed for sophisticated optical assemblies in medical, industrial, and telecommunications equipment.

Physical Dimensions

Diameter Range	0.5mm - 100mm
Center Thickness Tolerance	±0.01 mm

Optical Performance

Radius Tolerance	+0/-0.01 mm
Surface Quality	20-10

Material & Compliance

Compliance RoHS Compliant	
Substrate Material	N-BK7, Other Optical Materials
Coating Options	None or as requested

Applications

Typical Applications

- Fiber communication
- Endoscopy
- Microscopy
- Optical pick-up devices
- Laser measurement systems