

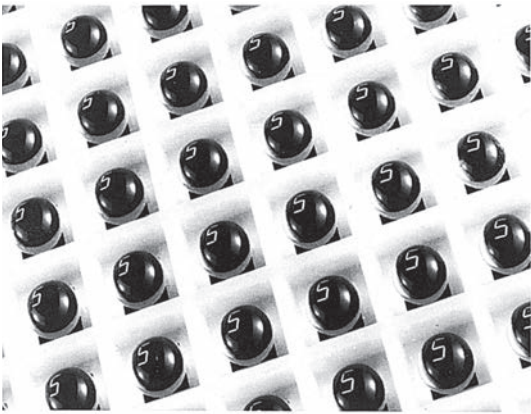
Micro Ball

Micro Ball is precisely manufactured from optical glass. It is used as a high precision ball lens in optical communication systems and as a lens for specialty optical equipment such as endoscopes.

Properties

Glass code	Refractive index (n _d)	Abbe number (ν _d)	Density (×10 ³ kg/m ³)	Thermal expansion coeff. 100-300°C (×10 ⁻⁷ /K)
BK-7	1.517	64	2.51	86
LaSF015	1.804	47	4.67	74

Other types of optical glass are available upon request.



Half Ball Lens

Half Ball Lens is a hemispherical lens that has been precisely manufactured from a Micro Ball. It is possible to adjust the thickness of the hemisphere as well as the flat area of the Half Ball Lens.

Dimensions

Surface roughness (Rmax)	Å	≤100
Nominal diameter	mm	1.0-7.0

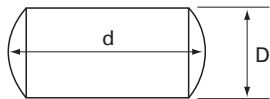


Micro Drum

Micro Drum is a lens manufactured from a Micro Ball by cylindrically grinding. The Micro Drum can be coated on both sides with application-specific wavelength AR coatings.

Standard Dimensions

- Lens diameter (d): 1.0mm – Tolerance: ± 5μm
- Drum diameter range (D): 0.8mm – Tolerance: ± 5μm



Other dimensions are available upon request.

