

Corundum Balls

Acme Optics manufacture the balls with artificial corundum. The artificial corundum has excellent properties such as anti-corrosive, wearability, strong thermal and chemical stability, and good optical performance. The balls often be used as the flowmeter ball valve of liquid or gas in the high corrosive environment, and the connector in the optical fiber communications equipment, as well as the linear code read, etc.

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Specifications:

- Material: **Artificial Corundum (Sapphire, Ruby)**
- Diameter Range: $\Phi 0.80\text{mm} - \Phi 12.0\text{mm}$
- Roundness: 0.003mm
- Surface Quality: 60/40



| Diameter (mm) | Diameter Tolerance (mm) | Sphericity (mm) |
|-------------------------|-------------------------|-----------------|
| $\Phi 0.80 - \Phi 2.50$ | ± 0.005 | 0.005 |
| $\Phi 3.00 - \Phi 5.00$ | ± 0.01 | 0.005 |
| $\Phi 6.00 - \Phi 12.0$ | ± 0.01 | 0.010 |