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Sapphire Balls

Applications include Sapphire or Ruby Ball Lenses, which demand a hard material that can withstand thermal and environmental shock, high wear resistance, and chemical compatibility. We offer a wide range of stock sizes of Sapphire Balls and Ruby Balls with diameters as low as 0.15mm. Sapphire and Ruby Balls have typical tolerances of sphericity 0.625 micron and diameter ± 2.5 micron (Grade 25).

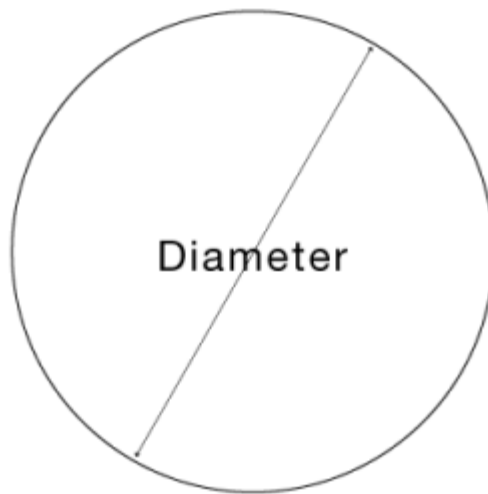


Typical Applications: Fiber Optic Connectors, Flow Meters, Rotameters, Bar Code Readers, Wear Applications

Model	Material	Diameter	Diameter (Mm)	Grade
B0.20S	Sapphire	0.0078"	0.20	25
B0.30S	Sapphire	0.0118"	0.30	25
B0.35S	Sapphire	0.0138"	0.35	25
B0.38S	Sapphire	0.0150"	0.381	25
B0.40S	Sapphire	0.0156"	0.40	25
B0.50S	Sapphire	0.0197"	0.50	25
B0.60S	Sapphire	0.0236"	0.60	25
B0.79S	Sapphire	0.0312"	0.79248	25
B1.00S	Sapphire	0.0394"	1.00	25
B1.20S	Sapphire	0.0472"	1.20	25
B1.50S	Sapphire	0.0591"	1.50	25
B1.58S	Sapphire	0.0625"	1.5875	25
B2.00S	Sapphire	0.0787"	2.00	25
B2.38S	Sapphire	0.0937"	2.38125	25
B2.50S	Sapphire	0.0984"	2.50	25
B2.78S	Sapphire	0.1094"	2.77876	25

B3.00S	Sapphire	0.1181"	3.00	25
B3.18S	Sapphire	0.1250"	3.175	25
B3.97S	Sapphire	0.1562"	3.9675	25
B4.00S	Sapphire	0.1575"	4.00	25
B4.76S	Sapphire	0.1875"	4.7625	25
B5.00S	Sapphire	0.1969"	5.00	25
B5.55S	Sapphire	0.2187"	5.55498	25
B6.00S	Sapphire	0.2362"	6.00	25
B6.35S	Sapphire	0.2500"	6.35	25
B7.94S	Sapphire	0.3125"	7.9375	25
B9.53S	Sapphire	0.3750"	9.525	25

Sapphire Ball Cross Section



NOT SEEING EXACTLY WHAT YOU NEED?

We specialize in creating a wide range of custom optical components and custom mechanical components including a variety of shapes - from internal holes and tapers to outer flanges, angles and surface finishes. Contact us (800-922-0118) and we will consult with you to create a custom component that meets all of your specifications.