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Sapphire and Ruby Half-Ball Lenses



- Excellent for Severe Environments
- High Chemical Stability
- [Sapphire and Ruby Ball Lenses](#) Also Available

Common Specifications

Physical & Mechanical Properties

Specific Gravity (g/cm ³):	3.98	Compressive Strength (psi):	300,000
Diameter Tolerance (μm):	±2.54		

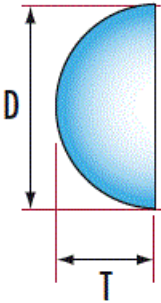
Optical Properties

Coating:	Uncoated		
Index of Refraction (n _d):	1.77	Sphericity (μm):	0.64

Environmental & Durability Factors

Melting Temperature (°C):	2053.00
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Technical Information



Products

Dia. (mm)	Substrate	Type	Coating	Stock Number	Price	Buy
0.40	Sapphire (Al ₂ O ₃)	Half-Ball Lens	Uncoated	#63-754	₹2,102 Qty 11+ ₹1,674	10 to 12 days
0.50	Sapphire (Al ₂ O ₃)	Half-Ball Lens	Uncoated	#49-553	₹2,102 Qty 11+ ₹1,674	10 to 12 days
1.00	Sapphire (Al ₂ O ₃)	Half-Ball Lens	Uncoated	#48-428	₹2,102 Qty 11+ ₹1,674	10 to 12 days
2.00	Sapphire (Al ₂ O ₃)	Half-Ball Lens	Uncoated	#48-429	₹2,102 Qty 11+ ₹1,674	10 to 12 days
2.50	Sapphire (Al ₂ O ₃)	Half-Ball Lens	Uncoated	#49-554	₹2,102 Qty 11+ ₹1,674	10 to 12 days
3.18	Sapphire (Al ₂ O ₃)	Half-Ball Lens	Uncoated	#48-430	₹2,102 Qty 11+ ₹1,674	10 to 12 days
4.00	Sapphire (Al ₂ O ₃)	Half-Ball Lens	Uncoated	#49-555	₹2,258 Qty 11+ ₹1,810	10 to 12 days
4.76	Sapphire (Al ₂ O ₃)	Half-Ball Lens	Uncoated	#48-431	₹2,258 Qty 11+ ₹1,810	10 to 12 days
5.00	Sapphire (Al ₂ O ₃)	Half-Ball Lens	Uncoated	#48-432	₹2,627 Qty 11+ ₹2,102	10 to 12 days
6.00	Sapphire (Al ₂ O ₃)	Half-Ball Lens	Uncoated	#49-556	₹2,842 Qty 11+ ₹2,277	10 to 12 days
6.35	Sapphire (Al ₂ O ₃)	Half-Ball Lens	Uncoated	#48-433	₹3,192 Qty 11+ ₹2,550	10 to 12 days
0.50	Ruby Doped Sapphire (Al ₂ O ₃)	Half-Ball Lens	Uncoated	#49-557	₹2,141 Qty 11+ ₹1,713	10 to 12 days
1.00	Ruby Doped Sapphire (Al ₂ O ₃)	Half-Ball Lens	Uncoated	#49-558	₹2,141 Qty 11+ ₹1,713	10 to 12 days
2.00	Ruby Doped Sapphire (Al ₂ O ₃)	Half-Ball Lens	Uncoated	#49-559	₹2,141 Qty 11+ ₹1,713	10 to 12 days
2.50	Ruby Doped Sapphire (Al ₂ O ₃)	Half-Ball Lens	Uncoated	#49-560	₹2,141 Qty 11+ ₹1,713	10 to 12 days
3.18	Ruby Doped Sapphire (Al ₂ O ₃)	Half-Ball Lens	Uncoated	#49-561	₹2,141 Qty 11+ ₹1,713	10 to 12 days

4.00	Ruby Doped Sapphire (Al ₂ O ₃)	Half-Ball Lens	Uncoated	#49-562	₹2,316 Qty 11+ ₹1,849	10 to 12 days
4.76	Ruby Doped Sapphire (Al ₂ O ₃)	Half-Ball Lens	Uncoated	#49-563	₹2,316 Qty 11+ ₹1,849	10 to 12 days
5.00	Ruby Doped Sapphire (Al ₂ O ₃)	Half-Ball Lens	Uncoated	#49-564	₹2,666 Qty 11+ ₹2,141	10 to 12 days
6.00	Ruby Doped Sapphire (Al ₂ O ₃)	Half-Ball Lens	Uncoated	#49-565	₹2,880 Qty 11+ ₹2,297	10 to 12 days
6.35	Ruby Doped Sapphire (Al ₂ O ₃)	Half-Ball Lens	Uncoated	#49-566	₹3,231 Qty 11+ ₹2,589	10 to 12 days



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Phone: 1-800-363-1992 :

www.edmundoptics.com