

Achromatic Lens Kits

- High performance cemented achromats
- Lenses organized by focal length
- Standard focal lengths
- Broadband Anti-Reflection coated
- Edged marked lenses allow easy identification

For applications where multiple focal length doublet lenses may be needed, achromatic lens kits provide a convenient selection of equivalent diameter lenses from which to choose. Our achromatic lens kits are offered in one and two inch diameters. The focal length of the lenses vary from 40-300mm in the one inch and 100 to 1000mm in the two inch lens kit. Each lens comes with an edged marked to help identify its focal length. Achromatic lens kits are offered with broadband visible Anti-Reflection coatings to minimize ghost reflections and losses. All lenses are elegantly arranged in a foam inlaid hardwood box that may be used for permanent storage.



Spherical Lenses

Cylindrical Lenses

Lens Kits

Achromatic Doublets

Multi-Element

Micro Optics

Mirrors

Prisms

Substrates & Windows

Beamsplitters

Polarizers

Filter & Apertures

Specifications & Tolerances

Focal length: $\pm 1\%$ @546.1nmThickness: ± 0.2 mm

Surface quality: 40-20

Material: Grade A optical crown and flint glass

Coating: Broadband Anti-Reflection 425-675nm

Diameter: +0, -0.2mm

Centration: <1arcmin

Temperature range: -40°C to 90°C

Achromatic Lens Kit Contents

ONE INCH		TWO INCH	
PART NUMBER	Focal Length (mm)	PART NUMBER	Focal Length (mm)
026-0985	40.9	026-1660	100.5
026-0990	50.1	026-1665	120.2
026-1110	60.1	026-1670	150.7
026-1115	69.9	026-1680	200.1
026-1120	80.0	026-1690	249.4
026-1130	100.2	026-1700	299.5
026-1132	119.8	026-1710	400.0
026-1134	149.6	026-1720	500.3
026-1135	170.4	026-1730	700.0
026-1136	200.1	026-1740	1000.0
026-1137	222.0	-	-
026-1138	250.8	-	-
026-1139	300.0	-	-

Achromatic Lens Kit

Description	Diameter (Inches)	Diameter (mm)	Price	PART NUMBER
Achromat Lens Kit	1.0	25.4	\$ 1,100.00	026-0010
Achromat Lens Kit	2.0	50.8	\$ 1,350.00	026-0020

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BK-7 Lens Kits

- Popular lenses conveniently organized by focal length
- Edged marked lenses allow easy identification
- Available in 1 and 2 inch diameters
- Master and Starter kits offer complete and partial lens selection
- Wide range of standard focal lengths from 26 to 1000mm



For applications where multiple focal length lenses may be needed, BK-7 lens kits provide a convenient selection of equivalent diameter lenses from which to choose. Each lens comes with an edged marked label to help identify its focal length. BK-7 lens kits are available in Master and Starter configurations. Master BK-7 lens kits contain a complete selection of 50 one inch diameter lenses or 44 two inch diameter lenses. The starter BK-7 lens kits offer an economical selection of 27 popular one inch diameter or 24 two inch diameter focal lengths. The focal lengths of the lenses in the one inch and two inch Master and Starter kits are listed in the tables below. All BK-7 lens kits are offered with either broadband or narrowband laser line Anti-Reflection coatings in the Ultra-Violet, visible and near IR spectral regions. Uncoated lens kits are also available. All lenses are elegantly arranged in a foam inlaid hardwood box that may be used for permanent storage.

ONE INCH BK-7 LENS KIT CONTENTS

PLANO CONVEX

PART NUMBER	Focal Length (mm)	Master (50 Lenses Total)	Starter (27 Lenses Total)
011-1675	30.0	X	X
011-1680	40.0	X	
011-1690	50.0	X	X
011-1770	60.0	X	
011-1775	70.0	X	X
011-1780	80.0	X	
011-1785	90.0	X	
011-1790	100.0	X	X
011-1880	120.0	X	
011-1890	150.0	X	X
011-1892	170.0	X	
011-1895	200.0	X	X
011-1990	250.0	X	
011-1992	300.0	X	X
011-1996	500.0	X	X
011-1999	700.0	X	
011-2004	1000.0	X	X

BICONVEX

PART NUMBER	Focal Length (mm)	Master (50 Lenses Total)	Starter (27 Lenses Total)
013-2240	26.5	X	X
013-2243	31.2	X	
013-2250	41.0	X	
013-2260	50.8	X	X
013-2270	60.8	X	
013-2275	70.7	X	X
013-2280	80.6	X	
013-2285	90.6	X	
013-2290	100.6	X	X
013-2295	120.5	X	
013-2300	150.5	X	X
013-2310	200.5	X	X

PLANO CONCAVE

PART NUMBER	Focal Length (mm)	Master (50 Lenses Total)	Starter (27 Lenses Total)
015-0270	-30.0	X	X
015-0275	-40.0	X	
015-0280	-50.0	X	X
015-0282	-60.0	X	
015-0285	-70.0	X	X
015-0290	-80.0	X	
015-0295	-90.0	X	
015-0330	-100.0	X	X
015-0340	-150.0	X	X
015-0350	-200.0	X	X

BICONCAVE

PART NUMBER	Focal Length (mm)	Master (50 Lenses Total)	Starter (27 Lenses Total)
017-0250	-24.7	X	X
017-0254	-29.7	X	
017-0258	-39.7	X	
017-0260	-49.7	X	X
017-0264	-59.7	X	
017-0266	-69.7	X	X
017-0270	-79.7	X	
017-0275	-89.7	X	
017-0280	-99.7	X	X
017-0290	-149.7	X	X
017-0300	-199.7	X	X

Spherical Lenses

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Achromatic Doublets

Multi-Element

Micro Optics

Mirrors

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Substrates & Windows

Beamsplitters

Polarizers

Filter & Apertures

TWO INCH BK-7 LENS KIT CONTENTS

PLANO CONVEX

BICONVEX

PART NUMBER	Focal Length (mm)	Master (44 Lenses Total)	Starter (24 Lenses Total)	PART NUMBER	Focal Length (mm)	Master (44 Lenses Total)	Starter (24 Lenses Total)
011-3396	70.0	X	X	013-4550	52.7	X	X
011-3450	80.0	X	X	013-4555	62.3	X	
011-3460	90.0	X		013-4560	72.0	X	X
011-3470	100.0	X	X	013-4570	81.8	X	
011-3480	120.0	X		013-4580	91.6	X	
011-3490	150.0	X	X	013-4590	101.5	X	X
011-3500	170.0	X		013-4595	121.3	X	
011-3520	200.0	X	X	013-4610	151.2	X	X
011-3550	250.0	X		013-4615	171.1	X	
011-3552	300.0	X	X	013-4620	201.0	X	X
011-3556	400.0	X		013-4630	251.0	X	
011-3560	500.0	X	X	013-4640	300.8	X	X
011-3564	700.0	X					
011-3570	1000.0	X	X				

PLANO CONCAVE

BICONCAVE

015-0610	-70.0	X	X	017-0420	-49.5	X	X
015-0620	-80.0	X		017-0425	-59.5	X	
015-0625	-90.0	X		017-0430	-69.5	X	X
015-0630	-100.0	X	X	017-0440	-79.5	X	
015-0640	-150.0	X	X	017-0445	-89.5	X	
015-0650	200.0	X	X	017-0450	-99.5	X	X
015-0660	250.0	X		017-0460	-149.5	X	X
015-0670	300.0	X	X	017-0470	-199.5	X	X
				017-0480	-249.5	X	
				017-0490	-299.5	X	X

Specifications & Tolerances

Focal length: $\pm 1\%$

Diameter: +0, -0.1mm

Surface quality: 20-10

Material: BK7 grade A

Thickness: $\pm 0.15\text{mm}$ Clear aperture: $>90\%$ Centration: $\leq 1\text{arcmin}$

Coating: Optional broadband or Laserline Anti-Reflection

BK-7 Lens Kits

MASTER KIT

STARTER KIT

Material	Diameter, D (inches) (mm)		AR Coating (nm)	Price	PART NUMBER	Price	PART NUMBER
BK7	1.0	25.4	425 - 675	\$ 2,425.00	010-0010	\$ 1,190.00	010-0005
BK7	1.0	25.4	600 - 900	\$ 2,530.00	010-0020	\$ 1,315.00	010-0015
BK7	1.0	25.4	800 - 1200	\$ 2,530.00	010-0030	\$ 1,315.00	010-0025
BK7	1.0	25.4	1100 - 1600	\$ 2,530.00	010-0040	\$ 1,315.00	010-0035
BK7	1.0	25.4	1064	\$ 3,265.00	010-0050	\$ 1,600.00	010-0045
BK7	1.0	25.4	uncoated	\$ 1,295.00	010-0060	\$ 830.00	010-0055
BK7	2.0	50.8	425 - 675	\$ 3,045.00	010-0070	\$ 1,835.00	010-0065
BK7	2.0	50.8	600 - 900	\$ 3,465.00	010-0080	\$ 1,970.00	010-0075
BK7	2.0	50.8	800 - 1200	\$ 3,465.00	010-0090	\$ 1,970.00	010-0085
BK7	2.0	50.8	1100 - 1600	\$ 3,465.00	010-0100	\$ 1,970.00	010-0095
BK7	2.0	50.8	1064	\$ 4,515.00	010-0110	\$ 2,470.00	010-0105
BK7	2.0	50.8	uncoated	\$ 8,185.00	010-0120	\$ 1,100.00	010-0115

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Fused Silica Lens Kits

- Organized by focal length
- 1 and 2 inch kits available
- Focal lengths ranging from 26 to 1000mm
- 2 kit sizes available, Master and Starter

For Ultra-Violet applications where multiple focal length lenses may be needed. Fused Silica lens kits provide a convenient selection of equivalent diameter lenses from which to choose. Each lens comes with an edged marked label to help identify its focal length.

Fused Silica lens kits are available in Master and Starter configurations.

Master Fused Silica lens kits contain a complete selection of 47 one inch diameter lenses or 40 two inch diameter lenses. The Starter Fused Silica lens kits offer an economical selection of 24 popular one inch diameter or 21 two inch diameter focal lengths. The focal lengths of the lenses in the one inch and two inch Master and Starter kits are listed in the tables below.



All Fused Silica lens kits are offered with either broadband or narrowband laser line Anti-Reflection coatings in the Ultra-Violet, visible and near IR spectral regions. Uncoated lens kits are also available. All lenses are elegantly arranged in a foam inlaid hardwood box that may be used for permanent storage.

ONE INCH FUSED SILICA LENS KIT CONTENTS

PLANO CONVEX

PART NUMBER	Focal Length (mm)	Master (47 Lenses Total)	Starter (24 Lenses Total)
014-0490	30.0	X	X
014-0520	40.0	X	
014-0550	50.0	X	X
014-0552	60.0	X	
014-0555	70.0	X	X
014-0560	80.0	X	
014-0565	90.0	X	
014-0570	100.0	X	X
014-0580	150.0	X	X
014-0590	200.0	X	X
014-0600	250.0	X	
014-0605	300.0	X	X
014-0615	400.0	X	
014-0625	500.0	X	X
014-0650	1000.0	X	X

BICONVEX

PART NUMBER	Focal Length (mm)	Master (47 Lenses Total)	Starter (24 Lenses Total)
014-2790	26.7	X	X
014-2810	31.4	X	
014-2830	41.1	X	
014-2880	51.0	X	X
014-2885	60.8	X	
014-2890	70.8	X	
014-2895	80.7	X	
014-2900	90.7	X	
014-2905	100.6	X	X
014-2915	150.5	X	X
014-2925	200.5	X	X

PLANO CONCAVE

PART NUMBER	Focal Length (mm)	Master (47 Lenses Total)	Starter (24 Lenses Total)
012-0222	-30.0	X	X
012-0227	-40.0	X	
012-0230	-50.0	X	X
012-0232	-60.0	X	
012-0235	-70.0	X	X
012-0240	-80.0	X	
012-0245	-90.0	X	
012-0250	-100.0	X	X
012-0252	-150.0	X	X
012-0254	-200.0	X	X

BICONCAVE

PART NUMBER	Focal Length (mm)	Master (47 Lenses Total)	Starter (24 Lenses Total)
018-0245	-24.7	X	X
018-0250	-29.7	X	
018-0258	-39.7	X	
018-0260	-49.7	X	X
018-0270	-59.7	X	
018-0275	-69.7	X	
018-0280	-79.7	X	
018-0285	-89.7	X	
018-0290	-99.7	X	X
018-0300	-149.7	X	X
018-0310	-199.7	X	

TWO INCH FUSED SILICA LENS KIT CONTENTS

PLANO CONVEX

BICONVEX

PART NUMBER	Focal Length (mm)	Master (40 Lenses Total)	Starter (21 Lenses Total)	PART NUMBER	Focal Length (mm)	Master (40 Lenses Total)	Starter (21 Lenses Total)
014-1339	70.0	X	X	014-3690	53.2	X	X
014-1340	80.0	X		014-3710	62.7	X	
014-1345	90.0	X		014-3720	72.3	X	X
014-1350	100.0	X	X	014-3730	82.1	X	
014-1355	120.0	X		014-3735	91.9	X	
014-1360	150.0	X	X	014-3780	101.7	X	X
014-1365	170.0	X		014-3810	151.3	X	X
014-1370	200.0	X	X	014-3820	201.1	X	
014-1375	250.0	X	X	014-3830	251.0	X	
014-1380	300.0	X	X	014-3835	300.9	X	
014-1390	400.0	X	X				
014-1400	500.0	X	X				
014-1425	1000.0	X	X				

PLANO CONCAVE

BICONCAVE

012-0540	-70.0	X	X	018-0668	-59.5	X	X
012-0550	-80.0	X		018-0670	-69.5	X	
012-0555	-90.0	X		018-0673	-79.5	X	
012-0560	-100.0	X	X	018-0675	-89.5	X	
012-0570	-150.0	X	X	018-0677	-99.5	X	X
012-0580	-200.0	X	X	018-0683	-149.5	X	X
012-0585	-250.0	X		018-0687	-199.5	X	
012-0590	-300.0	X	X	018-0690	-249.5	X	
				018-0693	-299.5	X	

Specifications & Tolerances

Focal length: $\pm 1\%$
Diameter: +0, -0.1mm
Surface quality: 20-10
Material: BK7 grade A

Thickness: $\pm 0.15\text{mm}$
Clear aperture: $>90\%$
Centration: $\leq 1\text{arcmin}$
Coating: Optional broadband or Laserline AR

Fused Silica Lens Kits

MASTER KIT

STARTER KIT

Material	Diameter, D (inches) (mm)		AR Coating (nm)	Price	PART NUMBER	Price	PART NUMBER
Fused Silica	1.0	25.4	425 - 675	\$ 5,660.00	010-1010	\$ 2,950.00	010-1005
Fused Silica	1.0	25.4	266 & 532	\$ 7,135.00	010-1020	\$ 3,670.00	010-1015
Fused Silica	1.0	25.4	355	\$ 6,400.00	010-1030	\$ 3,310.00	010-1025
Fused Silica	1.0	25.4	uncoated	\$ 4,330.00	010-1040	\$ 2,305.00	010-1035
Fused Silica	2.0	50.8	425 - 675	\$ 9,450.00	010-1050	\$ 5,035.00	010-1045
Fused Silica	2.0	50.8	266 & 532	\$ 10,660.00	010-1060	\$ 5,670.00	010-1055
Fused Silica	2.0	50.8	355	\$ 10,075.00	010-1070	\$ 5,350.00	010-1065
Fused Silica	2.0	50.8	uncoated	\$ 4,360.00	010-1080	\$ 4,360.00	010-1075

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