

Parallelism 3 arcsec

Catalogue number		Wavelength, nm	Diameter D, mm		Thickness T, mm	Price, EUR BK7 / UV FS
BK7	UV FS		Metric	English		
—	224-1103	266	12.5	12.7	3.0	— / 107
—	223-1103	355	12.5	12.7	3.0	— / 101
222-0103	222-1103	532	12.5	12.7	3.0	70 / 96
221-0103	221-1103	1064	12.5	12.7	3.0	70 / 96
—	224-1203	266	25.0	25.4	6.0	— / 139
—	223-1203	355	25.0	25.4	6.0	— / 133
222-0203	222-1203	532	25.0	25.4	6.0	93 / 128
221-0203	221-1203	1064	25.0	25.4	6.0	93 / 128
—	224-1403	266	40.0	38.1	10.0	— / 195
—	223-1403	355	40.0	38.1	10.0	— / 189
222-0403	222-1403	532	40.0	38.1	10.0	121 / 184
221-0403	221-1403	1064	40.0	38.1	10.0	121 / 184
—	224-1503	266	50.0	50.8	12.0	— / 241
—	223-1503	355	50.0	50.8	12.0	— / 235
222-0503	222-1503	532	50.0	50.8	12.0	148 / 230
221-0503	221-1503	1064	50.0	50.8	12.0	148 / 230

RELATED PRODUCTS

Uncoated Precision Windows

See page 1.10

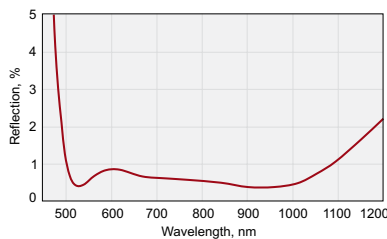
AR COATED LENS KITS

The lens kits consist of four basic types of lenses with various focal lengths. Focal lengths of plano-concave lenses range from -50 to -300 mm, biconcave lenses from -25 to -200. Plano-convex and biconvex lenses cover a focal distance from 25 to 1000 mm. The lenses are 25.4 diameter. Kits are available with multilayer anti-reflection coatings for Nd:YAG laser fundamental and harmonics wavelength: 266 nm or 355 nm or 532 nm or 1064 nm. Lenses are placed in a hardwood box. Size of the box is 30×7×40 cm (W×H×D).

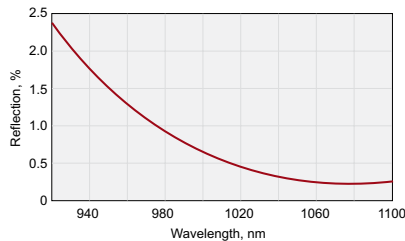
The lens kits are available from two kinds of substrate material:

- BK7 lens kit includes 40 lenses
- UV FS lens kit includes 36 lenses.

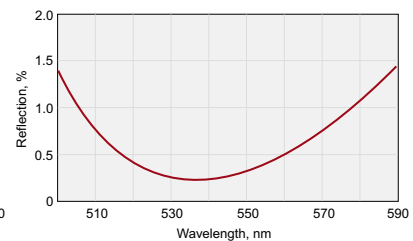
Code	Material	Coating	Price, EUR
140-0237	BK7	AR@500-1100 nm	2100
140-0239	BK7	AR@532+1064 nm	2000
141-0240	BK7	AR@1064 nm	1900
142-0240	BK7	AR@532 nm	1900
140-1237	UV FS	AR@500-1100 nm	2950
140-1239	UV FS	AR@532+1064 nm	2850
141-1236	UV FS	AR@1064 nm	2750
142-1236	UV FS	AR@532 nm	2750
143-1236	UV FS	AR@355 nm	2870
144-1236	UV FS	AR@266 nm	2960



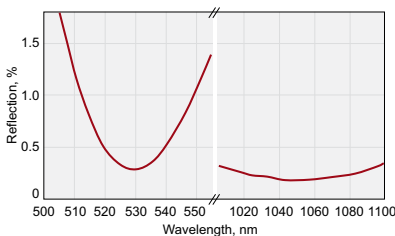
$R < 1.5\% @ 500-1100 \text{ nm}, AOI = 0^\circ$



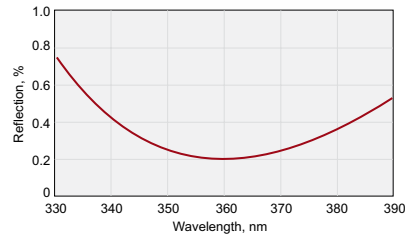
$R < 0.25\% @ 1064 \text{ nm}, AOI = 0^\circ$



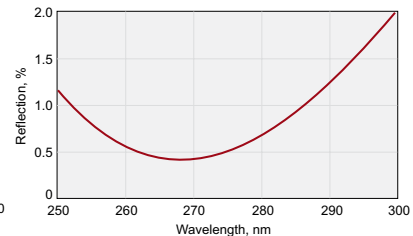
$R < 0.25\% @ 532 \text{ nm}, AOI = 0^\circ$



$R < 0.5\% @ 532 \text{ nm} + 1064 \text{ nm}, AOI = 0^\circ$



$R < 0.25\% @ 355 \text{ nm}, AOI = 0^\circ$



$R < 0.4\% @ 266 \text{ nm}, AOI = 0^\circ$

List of the lenses in BK7 series lens kits

Code	Configuration	Dia*, mm	F, mm
Plano-convex lenses (16 pcs.)			
110-0205	pl/cx	25.4	30
110-0207	pl/cx	25.4	40
110-0209	pl/cx	25.4	50
110-0211	pl/cx	25.4	60
110-0215	pl/cx	25.4	75
110-0219	pl/cx	25.4	100
110-0223	pl/cx	25.4	125
110-0227	pl/cx	25.4	150
110-0231	pl/cx	25.4	200
110-0235	pl/cx	25.4	250
110-0239	pl/cx	25.4	300
110-0241	pl/cx	25.4	350
110-0243	pl/cx	25.4	400
110-0247	pl/cx	25.4	500
110-0251	pl/cx	25.4	700
110-0259	pl/cx	25.4	1000
Biconvex lenses (12 pcs.)			
111-0204	bi/cx	25.4	25
111-0206	bi/cx	25.4	30
111-0208	bi/cx	25.4	40
111-0210	bi/cx	25.4	50
111-0214	bi/cx	25.4	60
111-0216	bi/cx	25.4	75
111-0218	bi/cx	25.4	100
111-0222	bi/cx	25.4	150
111-0226	bi/cx	25.4	200
111-0228	bi/cx	25.4	250
111-0234	bi/cx	25.4	500
111-0250	bi/cx	25.4	1000
Plano-concave lenses (6 pcs.)			
112-0209	pl/cv	25.4	-50
112-0215	pl/cv	25.4	-75
112-0219	pl/cv	25.4	-100
112-0227	pl/cv	25.4	-150
112-0231	pl/cv	25.4	-200
112-0239	pl/cv	25.4	-300
Biconcave lenses (6 pcs.)			
114-0204	bi/cv	25.4	-25
114-0208	bi/cv	25.4	-50
114-0212	bi/cv	25.4	-75
114-0214	bi/cv	25.4	-100
114-0220	bi/cv	25.4	-150
114-0224	bi/cv	25.4	-200

* Diameter tolerance: +0.0/-0.5 mm.

List of the lenses in UV FS series lens kits

Code	Configuration	Dia*, mm	F, mm
Plano-convex lenses (12 pcs.)			
110-1203	pl/cx	25.4	30
110-1205	pl/cx	25.4	50
110-1209	pl/cx	25.4	75
110-1211	pl/cx	25.4	100
110-1216	pl/cx	25.4	125
110-1217	pl/cx	25.4	150
110-1219	pl/cx	25.4	200
110-1221	pl/cx	25.4	250
110-1223	pl/cx	25.4	300
110-1227	pl/cx	25.4	400
110-1233	pl/cx	25.4	500
110-1245	pl/cx	25.4	1000
Biconvex lenses (12 pcs.)			
111-1204	bi/cx	25.4	25
111-1207	bi/cx	25.4	40
111-1210	bi/cx	25.4	50
111-1214	bi/cx	25.4	75
111-1218	bi/cx	25.4	100
111-1222	bi/cx	25.4	150
111-1226	bi/cx	25.4	200
111-1230	bi/cx	25.4	250
111-1234	bi/cx	25.4	300
111-1238	bi/cx	25.4	400
111-1240	bi/cx	25.4	500
111-1260	bi/cx	25.4	1000
Plano-concave lenses (6 pcs.)			
112-1205	pl/cv	25.4	-50
112-1209	pl/cv	25.4	-75
112-1211	pl/cv	25.4	-100
112-1217	pl/cv	25.4	-150
112-1219	pl/cv	25.4	-200
112-1223	pl/cv	25.4	-300
Biconcave lenses (6 pcs.)			
114-1204	bi/cv	25.4	-25
114-1208	bi/cv	25.4	-50
114-1212	bi/cv	25.4	-75
114-1216	bi/cv	25.4	-100
114-1220	bi/cv	25.4	-150
114-1224	bi/cv	25.4	-200

* Diameter tolerance: +0.0/-0.5 mm.

RELATED PRODUCTS

Uncoated Lens Kits

See page 1.35



Beam Expanders

See page 7.3



Self-Centring Lens Mounts 830-0010

See page 8.44



Tweezers/Forceps for Optical Components 260-1050

See page A.4

