

UV FS Biconcave Lenses

Catalogue number UV FS	Diameter D, mm		Focal length F, mm	Centre thickness CT, mm	Edge thickness ET, mm	Price, EUR
	Metric	English				
114-1104	12.5	12.7	-12.5	3.7	5.8	49
114-1108	12.5	12.7	-25.0	2.3	3.2	49
114-1110	12.5	12.7	-30.0	1.3	2.5	49
114-1114	12.5	12.7	-50.0	2.6	3.0	49
114-1118	12.5	12.7	-75.0	2.7	3.0	49
114-1122	12.5	12.7	-100.0	2.8	3.0	47
114-1204	25.0	25.4	-25.0	5.3	9.5	71
114-1208	25.0	25.4	-50.0	4.2	6.0	71
114-1212	25.0	25.4	-75.0	3.8	5.0	71
114-1216	25.0	25.4	-100.0	3.6	4.5	71
114-1220	25.0	25.4	-150.0	3.9	4.5	71
114-1224	25.0	25.4	-200.0	3.0	3.9	70

Please add letter M to the catalogue number for metric dimensions and letter E for English.
Please contact us for other size, focus or precision requirements.

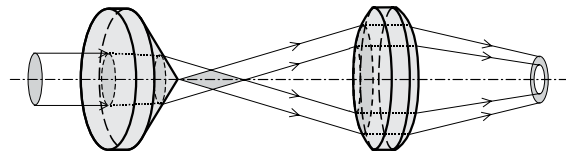
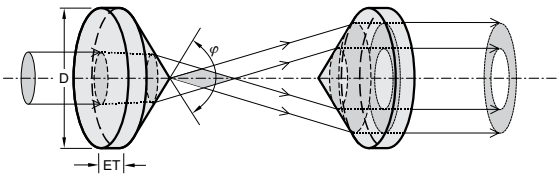
CONICAL LENSES (AXICONS)

- Can be made from most optical materials

We can supply custom cutting, edging, coating or complete fabrication if required. If you cannot find your axicons needed, please send your specification or drawings for a custom quotation.

Two axicons together produce a thick-walled hollow "pipe" of light.

An axicon with a spherical lens produces an annular focus.



Most of the Conical Lenses are available for fast off-the-shelf delivery. Check the availability at www.eksmaoptics.com



SPECIFICATIONS

Material	BK7, UV FS
Surface quality	60-40 scratch & dig (MIL-PRF-13830B)
Clear aperture	90% of the diameter
Diameter tolerance	+0.00 -0.12 mm
Angle tolerance	±0.5°
Surface irregularity	1 λ @ 633 nm

HOUSING ACCESSORIES

Universal Adjustable Lens/Optics Mount
830-0035

See page 8.49



Catalogue number	Diameter D,	Apex angle	Price, EUR	
BK7	UV FS	φ, deg	BK7 / UV FS	
130-0240	130-1240	25.4	140	160 / 283
130-0260	130-1260	25.4	160	160 / 283
130-0265	130-1265	25.4	165	160 / 283
130-0270	130-1270	25.4	170	160 / 283
130-0275	130-1275	25.4	175	160 / 283
130-0278	130-1278	25.4	178	160 / 283
130-0360	130-1360	30.0	160	197 / 350
130-0365	130-1365	30.0	165	197 / 350
130-0370	130-1370	30.0	170	197 / 350

Please contact us for other size or precision requirements.

Coated Lenses Ordering Information

Please choose relevant coating from anti-reflection coatings section (pages 1.5 - 1.6). The coating code and price should be added to the lens code and price.

Example:

BK7 axicon Ø30 mm, apex 160°, coated AR/AR@400-700 nm, AOI=0°
Code: **130-0360 + 3217-i0**, Price: 197 + 67 EUR= 264 EUR/pc.

