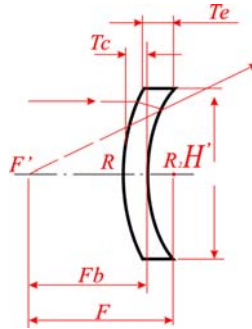


BK7 Negative Meniscus Lens



Negative meniscus lenses are designed to minimize spherical aberration. Negative meniscus lenses consist of a convex surface and a concave surface where the concave surface has the greater radius of curvature. In combination with another lens, a negative meniscus lens will decrease the NA of the system. A negative meniscus lens is a common element in beam expanding systems.

Specifications:

MaterialBK7
 Design Wavelength546.1nm
 Design Index1.5183
 Diameter Tolerance+0.0/-0.15mm
 Paraxial Focal Length $\pm 2\%$ ($f < 400\text{mm}$); $\pm 5\%$ ($f \geq 400\text{mm}$)
 Centration<3 arc minutes
 Clear Aperture>90%
 Surface Quality60-40
 Bevel.....Protective

P/N	f	Φ	*R ₁	*R ₂	t _c	t _e	f _b
30601	-100.0	25.4	90.00	32.59	3.00	4.50	-99.20
30602	-125.0	25.4	90.00	37.26	3.00	4.20	-123.70
30603	-150.0	25.4	90.00	41.42	3.00	4.00	-149.50
30604	-175.0	25.4	90.00	44.86	3.00	3.80	-174.60

- Demension unit:mm
- Other sizes and coatings are available upon request.