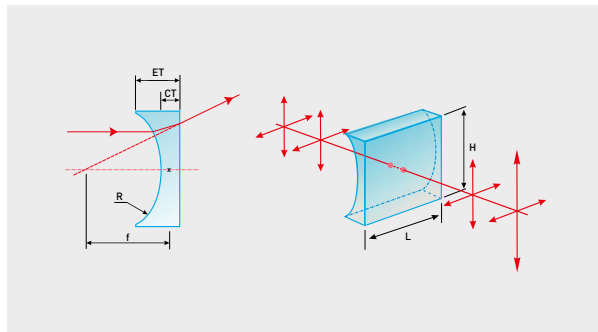
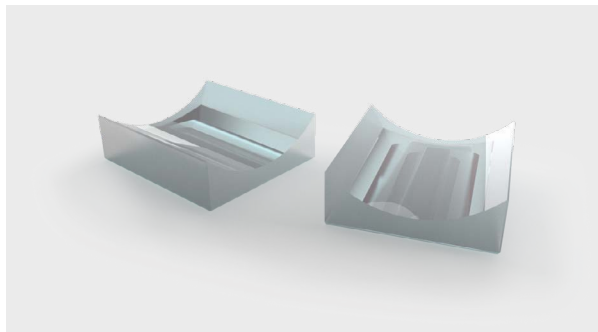


## Plano-concave cylindrical lenses



Plano-concave cylindrical lenses feature single plano, single concave cylindrical surface and negative focal length. These lenses are similar to plano-concave spherical lenses, though the difference is that

they operate only in a single dimension rather than two symmetrical dimensions. Applicable conditions for optimal performance are the same as for plano-concave lenses: from 5X to infinite-conjugate ratio.

### Main features

- Fabricated from high-quality UV grade fused silica, BK7 glasses
- Standard face dimensions are 25,4 x 25,4 mm and 25,4 x 50,8 mm
- Focal length selection from -25 mm to -1000 mm
- Antireflective coatings, custom substrate material, dimensions, and focal lengths available upon request

### Application examples

- Anamorphic beam shaping
- Laser projection
- Laser scanning

### Standard specifications

PLANO-CONVEX CYLINDRICAL LENSES	
Substrate material	BK7, UVFS
Wavelength range	Uncoated BK7 lenses: 350 nm - 2 μm Uncoated UVFS lenses: 185 nm - 2,1 μm
Clear aperture	>90%
Diameter tolerance	+0/-0,1 mm
Center thickness	2 mm
Thickness tolerance	±0,5 mm
Centration error	<3 arcmin
Focal length tolerance	±3%@632,8 nm
Protective chamfers	<0,35 mm at 45°
Surface quality	40-20 S-D
Surface irregularity	<λ/4@632,8 nm
Coatings	Uncoated, available upon request

### Standard products

MATERIAL	FACE DIMENSIONS H X L	FOCAL LENGTH	SKU	PRICE
BK7	25,4 x 25,4 mm	-50mm	7621	55 €
		-75 mm	7622	55 €
		-100 mm	7625	55 €
		-200 mm	7626	55 €
		-500 mm	7628	55 €
		-50mm	7623	90 €
BK7	25,4 x 50,8 mm	-75 mm	7624	90 €
		-200 mm	7631	90 €
		-500 mm	7627	90 €
		-25 mm	7614	95 €
		-50 mm	7629	95 €
		-50 mm	7630	160 €
UVFS	25,4 x 50,8 mm	-100 mm	7615	160 €
		-200 mm	7616	160 €
		-300 mm	7617	160 €
		-400 mm	7618	160 €
		-500 mm	7619	160 €
		-1000 mm	7620	160 €