



q|Mounted Aspheres/ Axicons/Acylinders

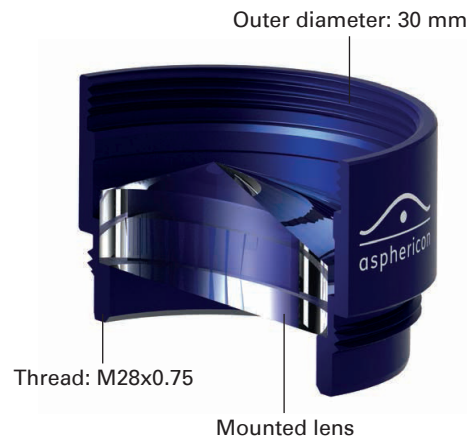
Benefit from a convenient solution for your laser application with the attractive selection of pre-aligned aspheres, axicons and acylinders from the StockOptics product line¹ in high-precision mountings. All lenses with diameters from 12.5 mm to 25.4 mm are ideally aligned with $< 10 \mu\text{m}$ decentration of the optical and mechanical axis. By using one of the available q|adapters – SM1, c-mount, 1.2 inch – the lenses can easily be incorporated in all standard optical systems.

Key Benefits:

- Especially designed mounts for aspheres and axicons, with engraved lens specifications
- Perfect alignment ($< 10 \mu\text{m}$ decentration)
- Tilt-reduced for optimal focusing
- Comfortable and timesaving handling
- Easy and safe storage thanks to protective design and safety caps
- Off -the-shelf delivery

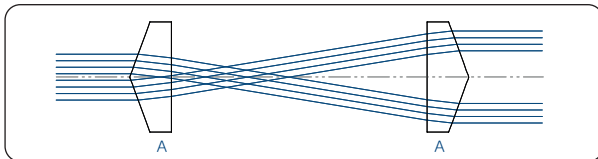
¹ Available for lenses AHL12-10, AHL15-12, AHL18-15, AHL20-18, AHL25-20, ALL12-25, ALL25-50, AFL12-15, AFL12-20, AFL25-25, AFL25-30, AFL25-40, XFL25-005, XFL25-010, XFL25-020, XFL25-050, XFL25-100, XFL25-200.

Technical parameters and prices are subject to change without prior notice.

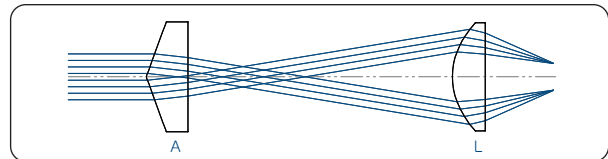


Fields of Application

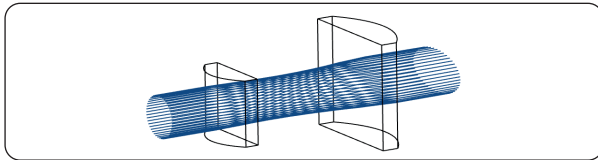
With especially designed mounts for aspheres, axicons and acylinders an optimized use of the lens is guaranteed. Thanks to the same metric fine thread all mounted optical components presented by asphericon can be easily combined.



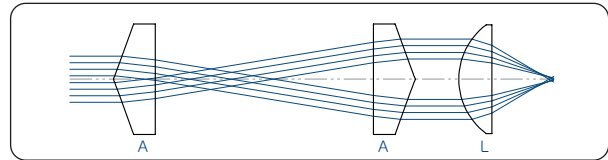
Generation of a collimated ring-shaped beam by altering the distance between the two axicons.



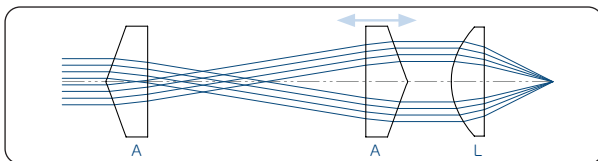
Generation of a ring focus - Distance changing through focal length of the lens, diameter changing through axicon angle.



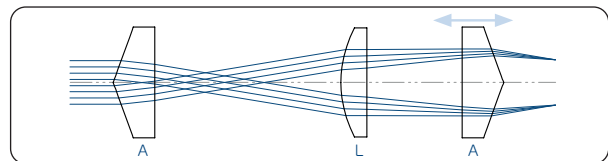
Generate an elliptical beam by using two acylinder in an anamorphic telescope.



Changing the focal length of a sphere by altering the distance between the axicons.



Changing the focus width of an asphere by altering the distance between the axicons - Focusing under the diffraction limit.



Generation of adjustable ring foci by shifting the last axicon to vary the ring diameters.

A - Axicon, L - Lens