

# Cylindrical Lenses

## Product Information

Cylindrical lenses have a spherical radius in one direction. This allows to focus the light in one axis. Thus a point of light could be stretched into a single line. Cylindrical lenses are used in various applications, for example for barcode scanning or laser projection.

## Advantages

- SCHOTT masters the entire value chain from raw glass to cylindrical coated lenses
- Custom designed products at competitive prices
- Coating: all lenses can be coated to a specific custom design

## Materials

- All types of optical glasses
- Fused silica and others
- ZERODUR® zero expansion glass ceramic



## Forms of Supply

- Plano convex/concave circular
- Plano convex/concave rectangular
- Meniscus
- Lens bi-convex/bi-concave

## Manufacturing Capabilities

Attribute*	Commercial Quality	Precision Quality	Precision Quality
Radius*	From 8 mm to 2000 mm**		
Dimensions*	From 5 mm to 200 mm		
Dimensional Tolerance*	+0,0/0,25 mm	+0,0/0,1 mm	+0,0/0,05 mm
Thickness Tolerance*	±0,20 mm	±0,10 mm	±0,05 mm
Centering Tolerance*	<15 arc minutes	<6 arc minutes	<2 arc minutes
Surface Accuracy*	2λ	λ	λ/2
Surface Roughness	<25 nm	<15 nm	<5 nm
Surface Quality*	80/50	40/20	10/5
Typical Order Quantity*	From 1 piece to series production		

\* Depending on customer's specification. Please contact our sales representative.

\*\* Larger radius on request.

For more information please contact:

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 glass made of ideas