

asphericon StockOptics  
**a | Acylinders**

Our attractive selection of aspheric cylinders with a RMS<sub>i</sub> surface form deviation smaller than 0.5µm are made from high-index-glass and can be especially used for laser applications.

**Key Benefits:**

- = Outstanding surface form deviation of RMS<sub>i</sub> ≤ 0.5 µm
- = Ideal line-focus without spherical aberration
- = Available with 3 standard coatings<sup>1</sup>:
  - A: R<sub>MAX</sub> < 1.0%, R<sub>AVG</sub> ≤ 0.4%, 400-600 nm, AOI=0°
  - B: R<sub>MAX</sub> < 1.0%, R<sub>AVG</sub> ≤ 0.4%, 600-1050 nm, AOI=0°
  - C: R<sub>MAX</sub> < 1.0%, R<sub>AVG</sub> ≤ 0.4%, 1000-1600 nm, AOI=0°
- = Off-the-shelf delivery
- = RoHS compliance

Lens description		
Surface form deviation (RMS <sub>i</sub> ) <sup>2</sup>	[µm]	≤ 0.5
EFL tolerance	[%]	≤ 0.1
Surface imperfections	[Scratch-Dig]	60 - 40
Diameter tolerance	[mm]	+0/-0.05
Center thickness tolerance <sup>3</sup>	[mm]	+0.05 <sup>3</sup>
Clear aperture	[%]	≥ 90

Product code	Size	EFL	NA	f/d	WD	Material
CHL10-08 <sup>4</sup>	10x10 mm	8 mm	0.54	0.8	6.3 mm	S-LAH64
CHL12-10 <sup>4</sup>	12.5x12,5 mm	10 mm	0.55	0.8	7.2 mm	S-LAH64
CHL15-12 <sup>4</sup>	15x15 mm	12 mm	0.54	0.8	9.2 mm	S-LAH64
CHL18-15 <sup>4</sup>	18x18 mm	15 mm	0.53	0.83	11.6 mm	S-LAH64
CHL20-18	20x20 mm	18 mm	0.49	0.9	14.3 mm	S-LAH64
CHL25-20	25x25 mm	20 mm	0.54	0.8	15.8 mm	S-LAH64
CHL30-26	30x30 mm	26 mm	0.52	0.87	21.5 mm	S-LAH64
CHL45-32	45x45 mm	32 mm	0.61	0.71	24.7 mm	S-LAH64
CHL50-40	50x50 mm	40 mm	0.55	0.8	32.1 mm	S-LAH64

1 Custom coatings available upon request. | 2 RMS<sub>i</sub> corresponds to ISO 10110-5 (surface form tolerances). | 3 For lenses CHL45-32, CHL50-40, please consider a center thickness tolerance of ±0.1. | 4 Also available as mounted lens. | General: Technical parameters and prices are subject to change without prior notice



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