



Precision polished aspheres with a superior energy beam distribution. Especially suitable for your demanding laser applications. Also available as mounted lenses.

Key Benefits:

- Outstanding surface form deviation of $RMS_i \leq 0.5 \mu m$
- Decrease of chromatic aberrations by use of low dispersion material
- Available with 3 standard coatings
- Laser induced damage threshold: 12 J/cm², 100 Hz, 6 ns, 532 nm
- Off-the-shelf delivery
- RoHS compliance



Lens Description

Surface Form Deviation (RMS _i) ¹	[μm]	≤0.5
EFL Tolerance	[%]	≤0.1
Surface Quality	[Scratch-Dig]	60-40
Diameter Tolerance	[mm]	+0/-0.05
Center Thickness Toleranc	[mm]	±0.05
Clear Aperture	[%]	≥90

AR-Coatings²

A: R_{MAX} <1.0%, R_{AVG} ≤0.4%, 400-600nm, AOI=0°

B: R_{MAX} <1.0%, R_{AVG} ≤0.4%, 600-1050nm, AOI=0°

C: R_{MAX} <1.0%, R_{AVG} ≤0.4%, 1000-1600nm, AOI=0°

Product Code	Ø [mm]	EFL [mm]	NA	f/d	WD [mm]	Material
AHL10-08 ³	10	8	0.55	0.80	6.0	S-LAH64
AHL12-10	12.5	10	0.55	0.80	7.6	S-LAH64
AHL15-12	15	12	0.55	0.80	9.0	S-LAH64
AHL18-15	18	15	0.54	0.83	11.5	S-LAH64
AHL20-18	20	18	0.49	0.90	14.0	S-LAH64
AHL25-20	25	20	0.54	0.80	15.7	S-LAH64
AHL30-26	30	26	0.51	0.87	20.6	S-LAH64
AHL45-32	45	32	0.61	0.71	24.2	S-LAH64
AHL50-40	50	40	0.54	0.80	31.3	S-LAH64

1. RMS_i corresponds to ISO 10110-5 (surface form tolerances).

2. For lenses AHL45-32, AHL50-40 please consider a center thickness tolerance of ±0.1.

3. Custom coatings available upon request.

