

# Fast Axis Collimator Lenses (FACs)

## The essential components for laser diodes

We ensure FACs are never the limiting factor of your production scale-up!

### Your Benefits

- **Independent supplier:** As a leading and independent manufacturer of FACs in large quantities we support your economic autonomy.
- **Reliability:** Profit from our high-quality production in Switzerland.
- **Large standard portfolio:** Choose from a large variety of standard FAC lenses.
- **Fast ramp-up:** From prototypes to serial production.
- **Customized to needs:** We incorporate your needs in design, coating and packaging.



### Technical Data

- Effective Focal length: 200 – 1700  $\mu\text{m}$
- Material: high index glass with  $n > 1.8$
- Covered Wavelength range: 430 – 1600 nm
- Length: 2 – 20 mm



### Select your FAC

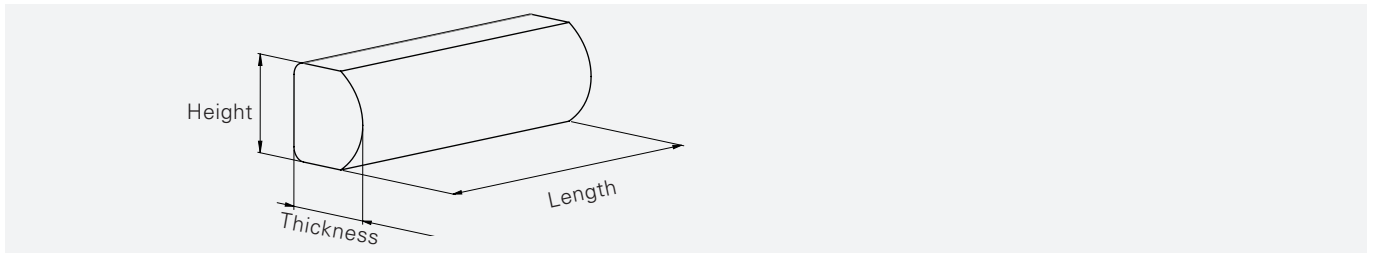


### Applications

- Diode Laser Systems
- Fiber Laser Pumps
- Disk Laser Pumps
- Solid-state Laser Pumps
- LiDAR Systems

# Fast Axis Collimator Lenses (FACs)

## Technical specifications



	Wavelength Range	Numerical Aperture	Focal Length		Back Focal Length		Residual Divergence		Dimension (Height x Thickness) mm
	nm		EFL μm	@ nm	BFL μm	@ nm	mrad*	@ % power enclosure	
FAC 200	790–990 750–850	0.8	200	940 808	55 54	940 808	±3.00	85	0.33 x 0.27
FAC 210	430–470	0.7	210	450	64	450	±3.00	85	0.25 x 0.23
FAC 300	1250–1360	0.8	320	1300	78	1300	±2.90	95	0.50 x 0.43
	790–990		300	940	70	940			
	750–900		300	808	68	808			
	515–705		290	638	65	638			
FAC 310	430–470	0.75	310	450	75	450	±2.25	85	0.50 x 0.41
FAC 360	790–990	0.8	360	940	70	940	±2.43	95	0.60 x 0.53
FAC 360	1450–1550	0.8	370	1470	74	1470	±3.13	90	0.60 x 0.53
FAC 380	430–470	0.75	380	450	75	450	±2.00	90	0.64 x 0.55
FAC 450	790–990	0.8	450	940	100	940	±1.60	85	0.75 x 0.64
FAC 510	790–990	0.8	510	940	116	940	±1.50	85	0.90 x 0.71
FAC 600	790–990	0.8	600	940	120	940	±1.40	95	1.00 x 0.866
FAC 600	620–750	0.5	590	670	131	670	±1.50	85	0.80 x 0.82
FAC 600	430–470	0.8	600	450	140	450	±1.85	95	1.00 x 0.83
FAC 740	790–990	0.8	740	940	70	940	±1.25	85	1.20 x 1.22
FAC 900	790–990	0.8	900	940	90	940	±1.00	85	1.60 x 1.49
FAC 940	790–990	0.8	940	940	201	940	±0.95	90	1.60 x 1.34
FAC 1100	790–990	0.7	1100	940	110	940	±0.80	85	1.50 x 1.77
FAC 1100	790–990	0.45	1100	940	152	940	±0.95	85	1.10 x 1.72
FAC 1300	790–990	0.7	1300	940	130	940	±0.50	85	1.80 x 2.12
FAC 1500	790–990 1500–1600	0.7	1500	940	90	940	±0.55	85	2.00 x 2.57
FAC 1700**	620–750	0.6	1690	630	1150	630	±0.75	85	2.63 x 1.24
	470–550		1680	520	1130	520			
	430–470		1650	450	1100	450			

All FAC Length (mm): customized to your request

\* Measured at NA 0.29

\*\* Design optimized for sources in TO package. BFL does not include 90 μm shift due to cover glass. Customized designs available upon request.