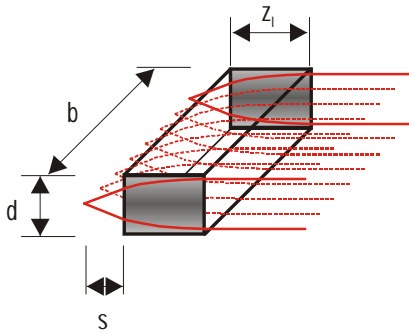


GRIN Cylindrical Lenses



- Gradient index lenses for the fast axis collimation of high power laser diode bars, high brightness diodes and other beam shaping purposes
- Plane surfaces



Thickness (mm)	Pitch P	Working distance s (mm)	Numerical Aperture NA	Lens length z_l (mm)	Focal length f (mm)	Gradient constant g (mm^{-1})	Refractive index at the center of the profile n_0	Width b (mm)	Wavelength λ (nm)	Product code
1.00	0.24	0.08	0.5	2.34	0.97	0.634	1.624	14	810	GT-LFCL-100-024-50-CC

- Working distance, design wavelength and lens length deviating from these standard as customized solution are available on request
- different lens width available upon request
- For tolerances, handling and storage see page 22

GRIN cylindrical lenses are offered without antireflection coatings as standard. Antireflection coatings ($R < 1.0\%$ for the design wavelength and incidence angles of $0 \dots 30^\circ$ corresponding to measurements on a reference substrate) can be offered:

Coating Code: NC: no coating (reflection loss approx. 12%) - standard
C2: $\lambda = 800 \dots 1000$ nm

One - sided coatings are available on request.

Order example:

GT - LFCL - 100 - 024 - 50 - CC - (670)	
GT	GRINTECH
LFCL	Laser Focusing Cylindrical Lens
100	Thickness: 1.0 mm
024	Pitch: 0.24
50	NA: 0.50
CC	Coating Code: NC or C2

Variations due to modifications of the production process are possible. It is the user's responsibility to determine suitability for the user's purpose.