Technical data sheet

Glass molded acylindrical lenses

Highest precision - from development to series production

GD Optics has developed its own glass molding process especially for the production of small aspherical cylindrical lenses. The process is very economical for lenses in a size range of 0.5 - 5 mm in medium to high quantities.

Technical specifications

	Length / width f / w in mm		Center thickness MD in mm		Effective focal length EFL in mm	Back focal length BFL in mm	Radius of curvature ROC in mm	Numerical aperture NA in mm	Form accuracy in nm
		tolerance		tolerance					
Acylinders	0.5 - 30	± 0.02	1 - 6,5	± 0.01	≥ 0.3	≥ 0.05	≥ 0.2	0.8*	< 150**

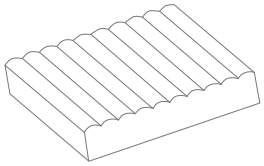
* depending on EFL ** Peak to valley

More features

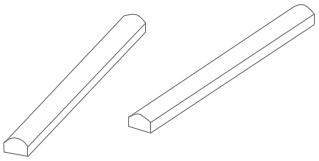
Material	Type	Applications
• Optical glasses • High index possible	• Plano-convex, convex-convex • Perpendicular and parallel axes • Array	• Fast axis collimation • Slow axis collimation • Beam circularization and collimation • Line generation, homogenization

Molded aspherical lenses and optical components in glass for telecommunication and laser collimating.
Customized solutions, stock items, coatings as required.

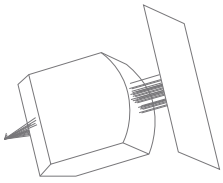
Other sizes and tolerances available per request.



01 Cylinder lens array



02 Fast axis collimators



03 Crossed Cylinder lenses

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