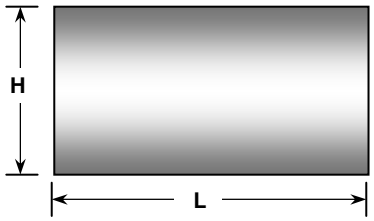
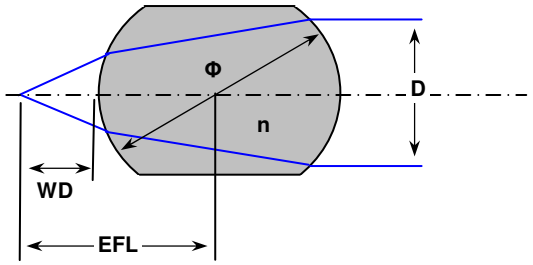
S-TIH53 ROD LENSES

LENS DRAWING

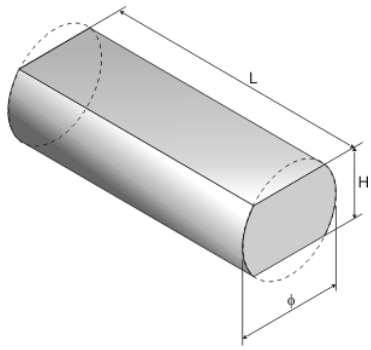
Front view



Side view



3D view



LENS DESIGN INFORMATIONS

Ordering Code CYL_ROD_S-TIH53_Φ_H_L_AR(λ1-λ2)	Dimensions [1]		
	Φ	H	L
Material: S-TIH53			

1. All units are mm

Refractive index vs. λ

λ (nm)	532	633	810	1064	1550
n	1.8584	1.8395	1.8228	1.8112	1.7997

Useful formulae

$$R = \Phi / 2$$

$$EFL = \frac{n \cdot R}{2 \cdot (n-1)}$$

$$WD = \frac{EFL \cdot (2-n)}{n}$$

$$D = 2 \cdot EFL \cdot NA$$

Presently, most of our productions of S-TIH53 rod lenses are custom order.

Use the ordering code on the right to place an order or contact us for more information.

E-mail: sales@doriclenses.com

Ordering code: CYL_ROD_S-TIH53_Φ_H_L_AR(λ1-λ2)

CYL: Cylindrical lenses
ROD: Rod lens code
S-TIH53: Material: S-TIH53
Φ: Rod diameter (mm)
H: Lens height (mm)
L: Lens length (mm)
AR(λ_1-λ_2): Anti-reflection coating wavelength range (nm)

Legend

EFL: Effective focal length
NA: Numerical aperture
WD: Working distance
D: Beam diameter
Φ: Rod diameter
H: Lens height
L: Rod length
R: Radius of curvature
n: Refractive index
AR(λ_1 - λ_2): Anti-reflection coating wavelength range