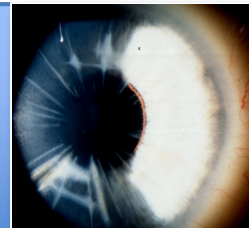


# Naturalens

## Irregular Cornea

### Fitting Guide

303-384-1111/888-393-5374



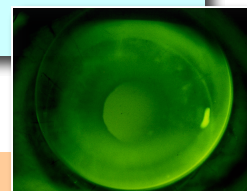
#### Patient Selection:

The **Naturalens** may be indicated for irregular corneas due to Keratoconus or post surgical conditions; i.e. RK, PRK, LASIK, PKP. All of these procedures render a commonality of an irregular shaped cornea.

#### Pre-Fitting Information

A current Topographical map and best visual acuity RX is suggested.

Pre-surgical keratometry information if available may be useful in initial Fitting Curve selection of any post surgical cornea. Note the cornea limbal diameter and any corneal pathology.



#### Diameter & Fitting Curve Selection:

The fitting relationship of the **Naturalens** will vary depending on the nature of the cornea. For normal corneas, refer to the standard Naturalens Fitting Guide. **Note:** This diagnostic set incorporates diameters of 9.8, 10.3, & 10.8. Use the standard 10.3 on normal corneas free of pathology or post surgical complications. Select the 10.8 diameter first when fitting a post-surgical or irregular keratoconic cornea.

**Using Topography, identify** the average temporal peripheral corneal radius (TPCR) 3-4 mm from the central cornea. The initial BC selection needs to be between the TPCR to .50 D steeper as a good rule-of-thumb. **Using K readings, select** a base curve 1/3 the amount of toricity steeper than the flattest K reading.

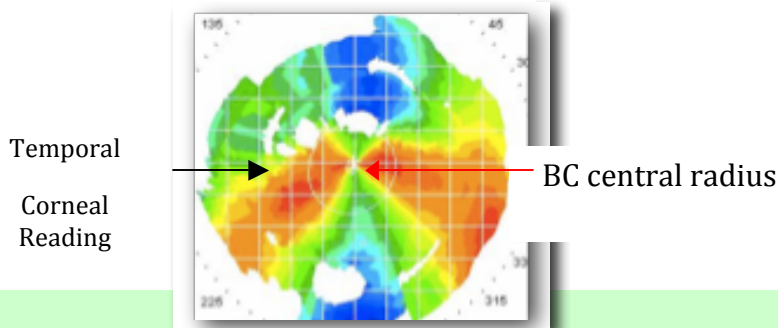
#### Lens Power Calculation:

After best fitting trial lens has been determined and noted, perform a spherical over-refraction (O/R). A Sphero-Cylindrical O/R should only be performed when acceptable vision for the patient is not obtained.

#### The Acceptable Fit:

The **Naturalens** should exhibit movement with the blink. One millimeter of movement is ideal. Less movement is acceptable if tear exchange can be identified. An acceptable fit is determined by lens centration, movement and adequate patient vision. Lens bearing may be present centrally or throughout the mid-periphery and is acceptable if tear exchange is present.

*Ex: OD Cornea*



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