solus tcl™

TORIC CUSTOM LENS

The Solus™ TCL is a Soft Back Surface Toric Lens for Daily Wear

The Solus™TCL toric custom lens is designed for correction of corneal and residual astigmatism. Solus™TCL combines the base curve design of soft back surface toric lenses with computer-controlled lathing that generates a lenticulated front surface. The result is a reduction in the amount of lens material, improved stabilization and excellent visual acuity.

Produced from a new generation of GMMA + VP soft lens material, the lens allows increased moisture retention during wear and is resistant to deposits. Solus™TCL lenses are manufactured with a blue visibility tint for easy handling and are packaged in single-lens vials and 4-vial economy packs.

Lens Material: Acofilcon A

The lens material GM3 is a terpolymer based on a high purity Glycerol Methacrylate 2, 3-Dihydroxypropyl Methacrylate (GMA). Manufactured with a blue visibility/handling tint. When hydrated, the lens consists of 42% Acofilcon A and 58% water by weight when immersed in normal saline.

Fitting Procedure

Solus™TCL is easy to fit empirically with a high success rate. The lens is stabilized by adding balast to the front, maintaining the cylinder in the base curve. A "dot" is engraved at six o'clock to assist in calculating alignment of the lens.

Recommended Wearing Schedule

Solus™TCL lenses are designed for daily wear on a 3-month replacement schedule.

Cleaning

Hydrogen peroxide or a chemical disinfecting system (MPS) is recommended for cleaning the lens.

Lens Properties

Water Content	Tensile Strength	Refraction Index (wet)	Oxygen Permeability (DK - Fatt scale)
58% in saline at 20°C	6.61 kg/cm^2	1.39	22 x 10^{-11} at 35°C

Lens Parameters

Diameter	Posterior Curve	Front Curve
13.5 mm, 14.5 mm* and 15.0 mm	Toric with blended peripheral curves	Lenticulated with prism ballast (varies with power)
Power Range	**Nominal Centre Thickness**	**Base Curve Range**
+20.0 D to -20.0 D	0.19 mm at -3.00 D	8.10 mm to 9.30 mm (in 0.3 mm steps) 8.4 mm*, 8.7 mm*, 9.0 mm*
Cylinders	**Axis**	**Optical Zone Diameter**
-0.25 D to -10.00 D	0° to 180° in 1° steps	8.00 mm at -3.00 D (varies with power, sphere and cylinder)

Note: Matching sphere lenses available.

* Stock lenses

Customer Service **1.800.920.SLIC (7542)**

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