

# solus soft k

KERATOCONUS LENS

The **Solus™ Soft k** lens is a soft contact lens especially designed to fit Keratoconus, Post surgical, and Irregular corneas.

The **Solus™ Soft k** base curve geometry is made up of a spheric optic zone and an aspheric periphery. The front curve has three zones, a thick optic zone to improve the optic quality, a special lenticular zone for structural stabilization, and an edge zone. Additional features of the Solus™ Soft K lens include pressure balancing holes to equalize pressure between the front and back of the lens and a back toric design of up to  $-2.00$  DS cyl in any axis.

## Application

Correction of Keratoconus, Post Surgical, and Irregular Corneas

## Lens Material

The **Solus™ Soft k** contact lens for daily wear lens material (Xylofilcon A) is a hydrophilic random copolymer of N-vinyl pyrrolidone, methyl methacrylate and cyclohexyl methacrylate 2-ethoxyethyl methacrylate cross-linked with allyl methacrylate with no color additives nor UV absorber. When hydrated, the lens consists of 33% XylofilconA and 67% water by weight when immersed in normal saline @20° C.

## Physical Properties

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Water Content	67.5% in Saline at 20°C.
Oxygen Permeability:	29 x 10 <sup>-11</sup> at 35°C, DK (Fatt scale)

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## Cleaning

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

## Lens Specifications

The Spheric Design

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Base Curve	Diameter	Power Range
7.30, 7.60, 7.90, 8.20	14.2mm	+10.00 to -20.00
Optic Zone	Edge Thickness	Center Thickness
(-3.00DS) 8.3mm	0.11mm	0.38mm
Pack Size	Diagnostic Lenses	
Vial	Set of 3 Lenses	

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## The Toric Design

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Cyl Power:	Axis
-0.50DS to -2.00DS	Any