

Fitting Instructions for **Assure Rx** soft toric lens

ASSURE Rx lens is easy to fit empirically with an extremely high success rate. **ASSURE Rx** lens is stabilized by adding ballast to the front, maintaining the cylinder in the base curve, and will correct all types of corneal and residual astigmatism.

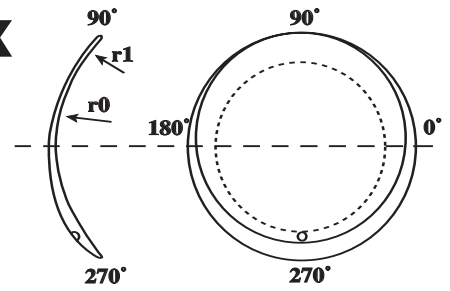
ASSURE Rx is made from a GM3 58% water content material, which allows flexibility as well as high permeability. A dot is engraved at 6 o' clock for the identification as well as calculating alignment of the lens.

FITTING INSTRUCTIONS

1) Corneal measurements must be taken	For example: R-Horizontal = 7.95 R-Vertical = 7.37 Axis - 140°
2) The type of cylinder must be established. This lens works best where most of the cylinder is corneal.	Corneal Lenticular Residual
3) Base Curve: Flat k + 1.0mm For Plus spheric power, round off down For Minus spheric power, round off up.	7.95 + 1.0 = 8.95mm B.C. = 9.00mm
4) Using the spectacle Rx. Cylinder - always to be minus.	-4.50 / -3.50 x 140°
5) Order the lens, correcting for the back vertex, for the sphere. Reduce the cylinder by -0.25DS between -1.00 and -3.00DS. Above -3.00DS reduce the cylinder by -0.50DS. For Hyperops, add +0.25 to +0.50 to the sphere.	Assure Rx 14.5 9.00 -4.25 / -3.00 x 140°

Should there be a problem with the stabilization, re-order the lens changing the axis using **LARS** rule: **Left Add Right Subtract**.
This lens will mask axis error of up to +8°

Assure Rx Soft Back Toric Lens



ASSURE-Rx is a new generation of soft back surface toric lens that provides superb on eye performance, reproducibility and a very high success rate. A new computer software controls the CNC lathe that lenticulates the front surface, reducing thickness to provide improved lens stability, and excellent visual acuity. All this wrapped in a newly developed GMMA based material providing exceptional comfort for the wearer.

Applications

For correction of corneal and residual astigmatism.

Lens Material - Filcon 4a, 58% water content

New generation of GMMA + VP soft lens material that is Non-ionic, gives exceptional comfort, and is resistant to deposits. The glycerol methacrylate content of this material provides increased moisture retention during wear. It has a blue visibility tint for easy handling.

Physical Properties

Water Content	58% in saline at 20°C
Oxygen Permeability: (DK/L units - Fatt scale)	22 x 10 ⁻¹¹ at 35°C

Lens Parameters

Diameter:	14.5*mm and 13.5mm
Posterior Curve:	Toric with blended peripheral curves
Front Curve:	Lenticulated with prism ballast
BC Range:	8.10 to 9.3 (in 0.3mm steps) * Stock range - 8.4, 8.7, 9.0
Optical Zone Diameter:	8.00mm at -3.00DS (varies with power)
Central Thickness:	0.19mm at -3.00DS (varies with power and cylinder)
Lens Powers:	SPH: -10.00 to +10.00DS CYL: -0.25 to -10.00DS
Axis:	1° to 180° in 1° steps

Powers outside range are available upon request.

(*) Stock Range

Dynamic 060505 also available.

Fitting Procedure

ASSURE Rx lens can be empirically fitted (see detailed fitting instructions)

Cleaning

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