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: $22 \times 10^{-11}$ at 35°C
(DK/L units - Fatt scale)

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.

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