BostonSight® SCLERAL

Your partner in saving sight.®

Adjusting Optics Mini-Guide

FOR 16-19mm SCLERAL LENSES

BostonSight®
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Adjusting Optics

**FRONT SURFACE OPTICS WITH SMARTSIGHT®
AND SMARTSIGHT HOA®**

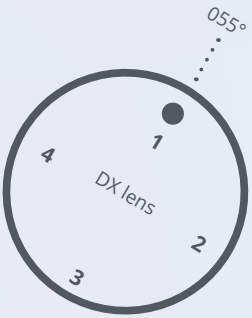
Astigmatism

BostonSight SCLERAL lenses in astigmatic powers up to 8D are available for order. If the patient is unable to achieve satisfactory vision after attempting all front surface eccentricity options (see SmartSight® FSE), then it is important to check for residual astigmatism. Astigmatic corrections can only be applied to rotationally stable lenses (see SmartSight). To measure astigmatic power, use trial diagnostic lens that provides best haptic alignment and perform sphero-cylindrical over-refraction. Document both the sphero-cylindrical over-refraction and the location of the lens dot in degrees using the slit rotation control ring in your slit lamp (see figure 1). The latter measurement in degrees is crucial in order to obtain accurate results.

Fig. 1: Residual astigmatism correction scenario

Example One
Sphero-cylindrical over-refraction
—1.00 —1.25 x 075

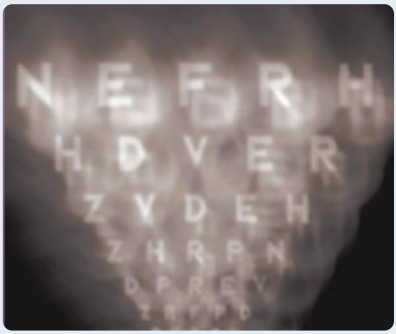
1. Measure the location of lens dot in degrees using your slit-lamp as shown above (in this example, dot location is at 055°)
2. Enter sphero-cylindrical value and lens dot location in the order screen of FitConnect



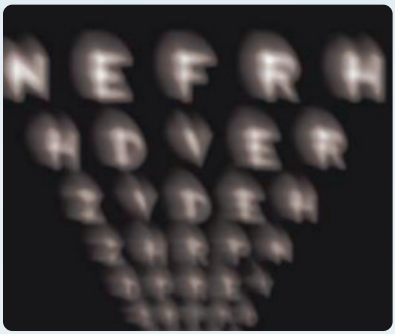
SmartSight® FSE

Multiple front surface eccentricity (FSE) options are provided. For optimal results, it is imperative that the best fitting trial diagnostic lens has been identified and assessed before proceeding to fine-tune best corrected visual acuity. Once a rotationally stable diagnostic lens has been identified, perform spherical over-refraction. If spherical over-refraction does not achieve expected visual acuity with the built-in FSE1 value, then attempt over-refraction with the other front surface eccentricity lens options provided: FSE0 or FSE2. If best-corrected vision is improved, proceed to order the lens based on the best fitting diagnostic lens, choosing the best front surface eccentricity option (FSE1, FSE2, or FSE0) from the drop-down menu provided in FitConnect, and enter over-refraction obtained with the determined best FSE value.

Without SmartSight FSE



With SmartSight FSE

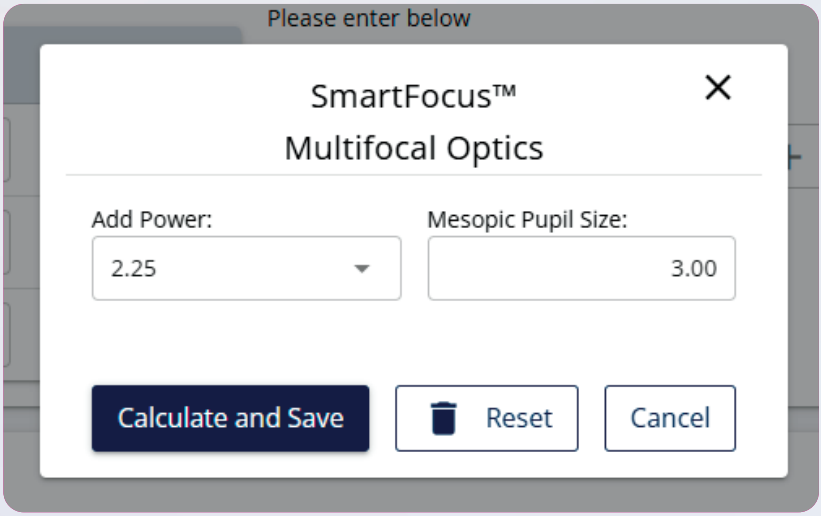


SmartFocus™ Multifocal

Currently multifocal optics are available in 16-17 mm lenses. Before adding multifocal optics to your lens, optimize the distance visual acuity prescription (ORx) and get the fit as close to final as possible.

On the Optics screen in FitConnect, click +SmartFocus. Enter the ADD Power and Mesopic Pupil Size for each eye as shown in figure 2. Click Calculate and Save. You will know your multifocal option was added by looking at the right side of your order screen in the Order Summary. SmartFocus optics will be listed under “ADD.”

Fig. 2



TROUBLESHOOTING

When and if SmartFocus troubleshooting is required, please do the following:

1. Ensure Distance Rx is accurate
2. Ensure mesopic pupil size was correctly measured for each eye
3. Ensure ADD power is correct
4. Hold for Order Review for Consultation
5. Enter in the Notes for Consultation the patient's DVA OU, NVA OU, etc.

SmartSight HOA®

For the most significant HOA cases, we recommend SmartSight HOA®. Our open aberrometer platform means if you have an aberrometer, you can harness the power of SmartSight HOA. However, we recommend that you are already comfortable with the traditional fitting of BostonSight SCLERAL lenses before adding SmartSight HOA.

Please review our SmartSight HOA fitting videos based on your aberrometer.

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MKT-018 Rev 1