



Your partner in saving sight®

Smart360[®] Mini-Guide

For 16-19mm scleral lenses



eaglet-eye

DIAMETER RECOMMENDATIONS

You know your patients best, however it can be helpful to have a quick reference for which diameter may work well for your case. The following are general guidelines.

16, 16.5 and 17mm

Small HVIDs
($\leq 11.0\text{mm}$)

Small apertures

Tight lids

Regular corneas

Pediatric patients

Difficulty handling lenses

18, 18.5 and 19mm

Large HVIDs
($\geq 11.5\text{mm}$)

Compromised ocular surface

Highly ectatic corneas

Chronic exposure

Compromised/fragile grafts

Severe dry eye

THE KEY TO SUCCESS - A GOOD SCAN

Good Measurement is the key to successful lens design and fitting using Eaglet's Eye Surface Profiler (ESP). The ESP lets you scan the entire front surface of the eye, in a single shot, covering over 20mm in diameter and more. This is the perfect starting point for a great fit with BostonSight SCLERAL's Smart360® free-form design. However, obtaining high-quality scans is essential!

Key factors to help you capture quality scans with the ESP:

- Lubrication: Pathological or dry eyes can be challenging to measure; ensure they are well-hydrated.
- Focus: Similar to photography, precise device focusing is crucial.
- Fluorescein: Every part of the eye covered with fluorescein will be measured; ensure there is enough fluorescein – more is better.
- Open the eyelids: Scan size is dependent on how much of the eye is exposed, so a wider opening is essential, especially when fitting larger lenses.
- Speed: Be fast! Some pathological eyes tend to dry out quickly, thus speed is key.

Tips:

- For dry eye patients, ask them to use extra lubricating drops for 3 to 4 days before the appointment. This will improve the tear film quality.
- Various methods can help in keeping the eyelids open: use fingers (two for the upper lid may also help), lid sticks, Q-tips, or finger cots to aid in holding the lids. Find out which method works best for you or the individual taking the scan.



To learn more about how to fit BostonSight SCLERAL using Smart360 and the ESP, view the tutorial [here](#).

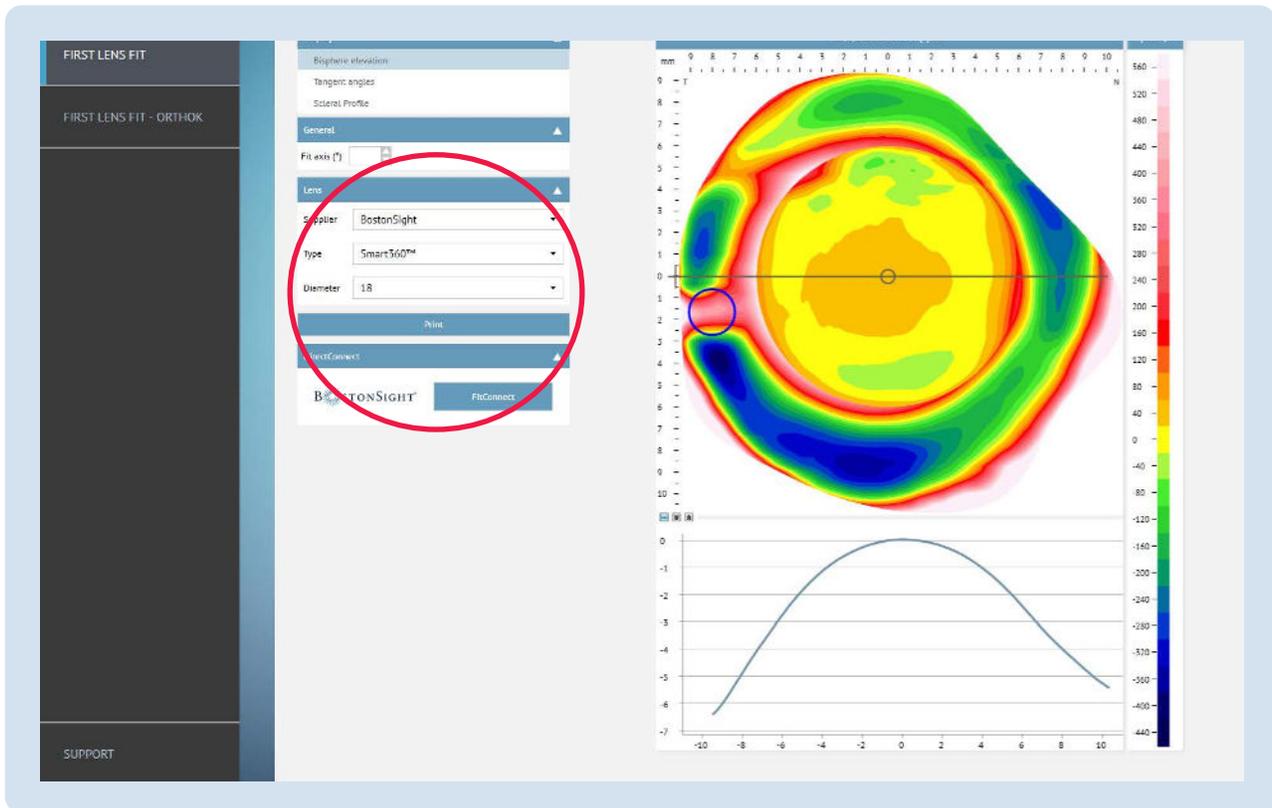


To learn more about the Eaglet ESP and to review case studies using Smart360, click [here](#).

For questions about using your ESP or troubleshooting your ESP, please contact support@eaglet-eye.com. BostonSight SCLERAL is not able to answer questions directly about the ESP.

START AN ORDER - NEW PATIENT

- ① If your patient is new to FitConnect® [register your patient](#) in FitConnect before proceeding. Register your patient at <http://fitconnect.bostonsight.org>. **BE SURE TO LOG OUT ONCE COMPLETE.**
- ② In the Eaglet ESP software:
 1. Open the patient scan and select [First Lens Fit](#) on left menu. Note: If you require support on obtaining a good scan with your ESP, please see the Eye Surface Profile Measure Guide [here](#).
 2. On the main screen, under [Lens](#) choose:
 - Supplier: BostonSight
 - Type: Smart360
 - Diameter: select appropriate diameter (see reference guide on prior page, if needed)
 - TIP: Note which eye you are uploading – you will need this later in FitConnect)
 3. Click [FitConnect](#) and export will begin.



- ③ FitConnect will open in your browser.
 1. Enter your FitConnect Login details, which will open the Smart360 Export/Import Confirmation Screen.
 2. Confirm patient name and your practice and select:
 - [Eye](#): Left or Right
 - [Product](#): BostonSight SCLERAL Smart360
 - [Save and Upload](#)
 3. On the next screen, select:
 - [Yes](#) to proceed to [Design this Lens](#) OR
 - [Continue Later](#), to upload another patient scan or to complete lens design at a later time. **Remember that you must log out of FitConnect each time you upload a scan from the Eaglet ESP.**

START AN ORDER - USE EXISTING SCAN

If you uploaded your scan data but have not finalized your order, you can access the scan data in FitConnect at a later time. Alternatively, your technician can upload scan data from the ESP and you can finalize the order at the end of the day.

1. Go to your Patient Page in FitConnect and under [New Order](#):
 1. Select Product: [BostonSight SCLERAL Smart360](#)
 2. Select Order Type: [Fit](#)
 3. Select radio button: [Order Smart360](#)
 4. Choose: [Left](#) or [Right Eye](#)
2. Click [Start Order](#) to open the Smart360 screen. Select [ESP](#) as your device.

The screenshot displays the FitConnect interface. At the top left is the FitConnect logo. On the right, there are user options: Practitioner, Fitting Consultant, and buttons for LOG OUT and Return To Dashboard. Below this is a navigation bar with buttons for Accounts, Work With Patients and Orders, Resources, Admin, and Support.

The main section is titled "Patient View" and shows patient information: CRN: 121212, Name: Shipping, Test, Date of Birth: 12/05/1975, and Email: test@shipping.com. There are buttons for Edit Patient Info, Patient Documents, View Order History, and Patient Invoice Activity.

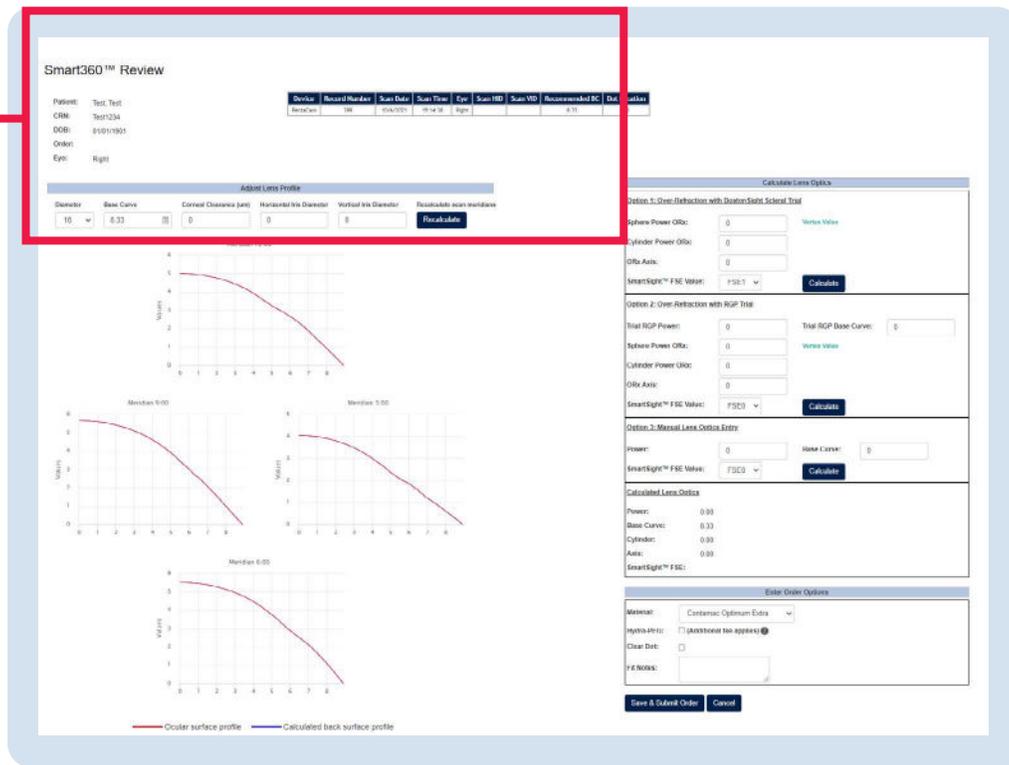
Below this is a table titled "SCLERAL Orders" with columns: Order Date, Product, Right/Left, Order #, Lens #, SmartSight HOA™, Smart360™, Order Type, Practitioner, Order Status, Rx Status, and 90 day Fit Exchange. A single row is visible with the following data: 2021-10-14, BSS 18.0, Right, 376447, 1, None, None, Fit, Test, T, Submitted, -, -.

The "New Order" form is circled in red and contains the following fields:

- Product: BostonSight SCLERAL Smart360
- Order Type: Fit (dropdown menu)
- Order from Diagnostic/Trial Lens Set:
- Order Smart360™: Right/Left: Right (dropdown menu)
- Buttons: Start Order, Cancel

DESIGN THE LENS

- ① Enter Corneal Clearance.
- ② Confirm:
 - Lens Diameter - ensure the diameter is what you selected at the start
 - Base Curve - the algorithm will make a recommendation, however you can adjust
 - Horizontal Iris Diameter (HVID) - this data will be pulled over from the ESP
 - Vertical Iris Diameter (VVID) - this data will be pulled over from the ESP
- ③ Select **Recalculate** to view the back surface of the lens onto the front surface of the eye. Adjust as needed!



Smart360™ Review

Patient: Test, Test
 CRN: Test1234
 DOB: 01/01/1901
 Order:
 Eye: Right

Device	Record Number	Scan Date	Scan Time	Eye	Scan HID	Scan VID	Recommended B
PentaCam	399	10/6/2021	15:14:38	Right			8.33

Adjust Lens Profile

Diameter:
 Base Curve:
 Corneal Clearance (um):
 Horizontal Iris Diameter:
 Vertical Iris Diameter:

ADJUST LENS OPTICS

- 1 Calculate Lens Optics to enter over-refraction by 1 of 3 options:
 - BostonSight SCLERAL trial lens with FSE
 - RGP Trial
 - Manual lens optics entry

Select [Calculate](#) at each of the options to update the corresponding Lens Optics.

- 2 On [Order Options](#), select your material, Hydra-PEG (if applicable), and dot, and enter any Fit Notes such as the locations of SmartChannels®.*
- 3 Click [Save and Submit](#).

Calculate Lens Optics

Option 1: Over-Refraction with BostonSight Scleral Trial

Sphere Power ORx: Vertex Value

Cylinder Power ORx:

ORx Axis:

SmartSight™ FSE Value:

[Calculate](#)

Option 2: Over-Refraction with RGP Trial

Trial RGP Power: Trial RGP Base Curve:

Sphere Power ORx: Vertex Value

Cylinder Power ORx:

ORx Axis:

SmartSight™ FSE Value:

[Calculate](#)

Option 3: Manual Lens Optics Entry

Power: Base Curve:

SmartSight™ FSE Value:

[Calculate](#)

Calculated Lens Optics

Power: 0.00

Base Curve: 8.33

Cylinder: 0.00

Axis: 0.00

SmartSight™ FSE:

Enter Order Options

Material:

Hydra-PEG: (Additional fee applies) ⓘ

Clear Dot:

Fit Notes:

[Save & Submit Order](#) [Cancel](#)

* For focal elevations like pinguecula, you can request a SmartChannel to vault over these areas by specifying width of channel and depth. Once you receive the first free-from lens, you can tweak as needed using the same FitConnect platform you're used to working with.

ORDER THE LENS

On the [Pending Orders](#) page, you have two options:

- 1 Order another lens for this patient. Select [Close](#) and then [LOG OUT](#) of Fitconnect.
IMPORTANT: Do NOT select Save and Order Another Lens for this Patient. Remember you must LOG OUT of FitConnect to clear the cache for a new scan to be imported. Then you can repeat steps for the other eye.

FitConnect

Practitioner
Fitting Consultant

[LOG OUT](#) [Return To Dashboard](#)

Pending Orders

Patient CRN: Test1234
Patient Name: Test, Test
Patient DOB: 01/01/1901 [View Order History](#)
Patient Email: ssharer@bostonsight.org
Practice: Test test

Order No	Order Date	Right or Left	Product	Order Type
376449	2021-10-21	Right	B55360	Fit

Have photos you would like to share? Upload [here](#).

~~Save and Order Another Lens for this Patient~~ [View Order Summary and Finalize](#) [Close](#)

- 2 Complete the order for this patient. Select [View Order Summary](#) and [Finalize](#) to send order to the lab.

FitConnect

Practitioner
Fitting Consultant

[LOG OUT](#) [Return To Dashboard](#)

Pending Orders

Patient CRN: Test1234
Patient Name: Test, Test
Patient DOB: 01/01/1901 [View Order History](#)
Patient Email: ssharer@bostonsight.org
Practice: Test test

Order No	Order Date	Right or Left	Product	Order Type
376449	2021-10-21	Right	B55360	Fit

Have photos you would like to share? Upload [here](#).

~~Save and Order Another Lens for this Patient~~ [View Order Summary and Finalize](#) [Close](#)

On the [Order Summary](#) page, you have an option to [Hold for Consult](#), if needed. For example, if SmartChannels are needed, select Hold for Consultation, note width (start and end points in degrees), depth of channel (μm) and dot location in degrees, and click [Submit](#).



BostonSight
464 Hillside Avenue, Suite 205
Needham, MA 02494
888-SCLERAL
BostonSightSCLERAL.org

