



Your partner in saving sight®

# Smart360<sup>®</sup> Mini-Guide

For 16-19mm scleral lenses



## 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

Achieving a quality Scan with your OCULUS® Pentacam CSP is key to fitting success. BostonSight SCLERAL fitter, Dr. Ellen Shorter, presented a webinar for OCULUS about how to use their Pentacam CSP software to create a Smart360® BostonSight SCLERAL lens. Remember, to design a successful free-form lens, **it is critical that the scan is high quality.**

Here are a few key tips:

- Put the Pentacam in a dark room
- Use a lid stick to hold up the eyelid
- Use topical anesthesia on the patient's eye to help them stay focused



View the webinar here.



Then, export data from Pentacam CSP software into a .csv file and save on your computer. For information on how to complete this step, please follow the short video [here](#).

If you require assistance with scan acquisition, OCULUS recommends Pentacam CSP users contact them directly via one of the following options:

- By Phone @ 425-670-9977 and ask for Clinical Application
- By Email @ [application@oculususa.com](mailto:application@oculususa.com)
- Schedule a Training @ <https://oculus-inc.appointlet.com/s/pentacam-csp-1-hour-training-webinar>

# START AN ORDER

1. Scan your patient's eye and export data from Pentacam CSP software into a .csv file, following the suggestions on Page 3. [Save the file](#) on your computer.
2. In FitConnect®, [Register your Patient](#) and [Start a New Order](#). Select:
  1. Product as [BostonSight SCLERAL Smart360](#)
  2. Order Type as [Fit](#)
  3. Radio button as [Order from Smart360](#)
  4. Select [Left or Right Eye](#)
  5. Click [Start Order](#) which opens the Smart360 Upload screen

**FitConnect**

Practitioner | LOG OUT | Return To Dashboard  
Fitting Consultant

Accounts | Work With Patients and Orders | Resources | Admin | Support

**Patient View**

CRN: 121212  
Name: Shipping, Test  
Date of Birth: 12/05/1975 | [Edit Patient Info](#) | [Patient Documents](#)  
Email: test@shipping.com | [View Order History](#) | [Patient Invoice Activity](#)

**SCLERAL Orders**

Order Date	Product	Right/Left	Order #	Lens #	SmartSight HOA™	Smart360™	Order Type	Practitioner	Order Status	Rx Status	90 day Fit Exchange	Order Rx Refill	Order Material Change	Request Lab Remake
2021-10-14	BSS 18.0	Right	228462	1	None	None	Fit	Test, T	Submitted	-	-	-	-	-

**New Order**

Product: BostonSight SCLERAL Smart360

Order Type: Fit

Order from Diagnostic/Trial Lens Set  
 Order Smart360™ Right/Left: Right

[Start Order](#) [Cancel](#)

3. Select [Pentacam](#) as your device.
  1. Choose [File](#) and find the Pentacam file from your computer.
  2. [Open](#) and then [Upload](#), the scan you wish to use for this order, from a table of all scans attached to this patient record.

**Smart360™ Upload**

Patient: Shipping, Test  
CRN: 121212  
DOB: 12/05/1975  
Order:  
Eye: Right

Devices: PentaCam

[Choose File](#) (no file chosen)

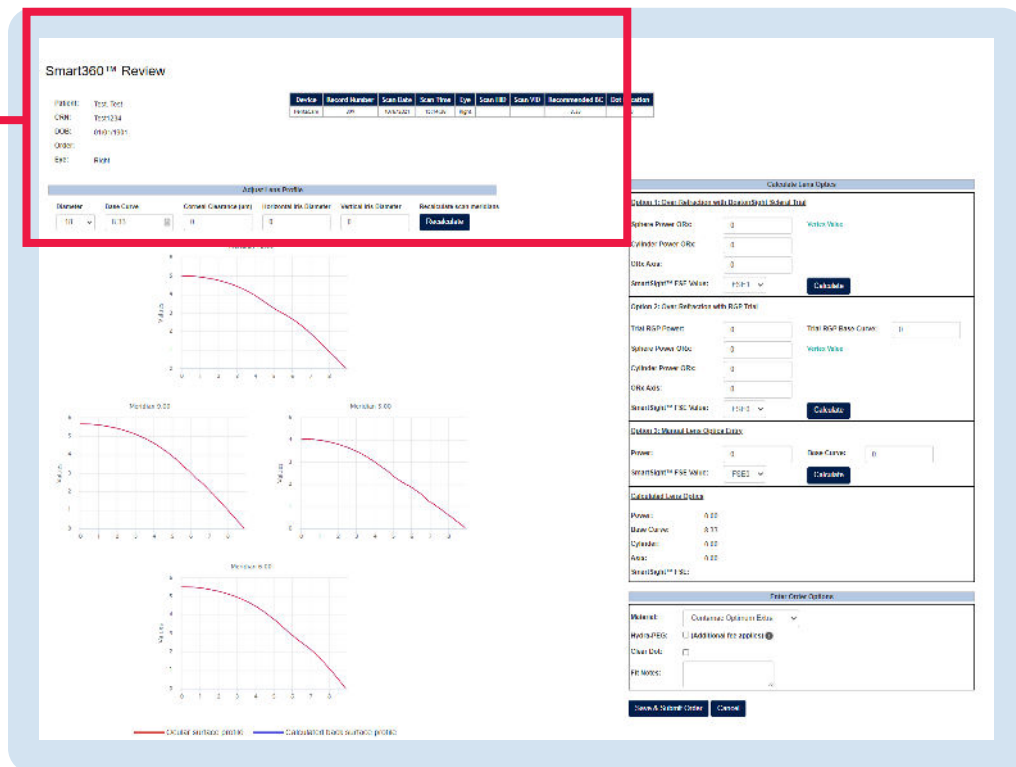
[Upload](#)

Device	Record Number	Scan Date
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[Close](#)

# DESIGN THE LENS

- ① Select lens diameter.
- ② Enter:
  - Corneal Clearance.
  - Base Curve - the algorithm will make a recommendation, however you can adjust
  - Horizontal Iris Diameter (HVID) - obtain data from topographer or measure using slit lamp
  - Vertical Iris Diameter (VVID) - obtain data from topographer or measure using slit lamp
- 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	Recalculate scan meridians
18	8.33	0	0	0	<b>Recalculate</b>

## 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](#)

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**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](#)

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**Calculated Lens Optics**

Power: 0.00

Base Curve: 8.33

Cylinder: 0.00

Axis: 0.00

SmartSight™ FSE:

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### 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

- ① On the [Pending Orders](#) page, you have an option to:
  1. [Save and Order Another Lens for this Patient](#), OR
  2. [View Order Summary and Finalize](#) to send order to the lab.

Welcome, Test Test!  
(Practitioner Account)

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](mailto:ssharer@bostonsight.org)  
Practice: Test test

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

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

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

- ② 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 ( $\mu\text{m}$ ) and dot location in degrees, and click [Submit](#).

Right or Left	Order Type
Left	Fit

Select Ship To Address:  
464 Hillside Ave, Suite 206, Needham, MA 02494, United States

State/Province license issued:  
MA

Purchase Order #:  
[Dropdown]

Delivery Method - This will be added to Lab lead time of 3 days  
Standard: \$0.00

\*Needed By: 11/05/2021

Hold For Consultation  
If Hold for Consultation is selected, order will not be processed until you have contacted BostonSight.

[Place Order](#) [Cancel](#)



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

