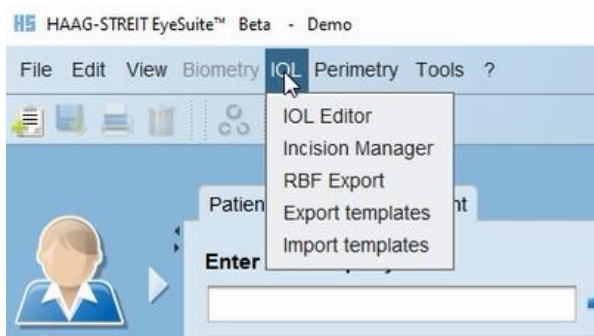


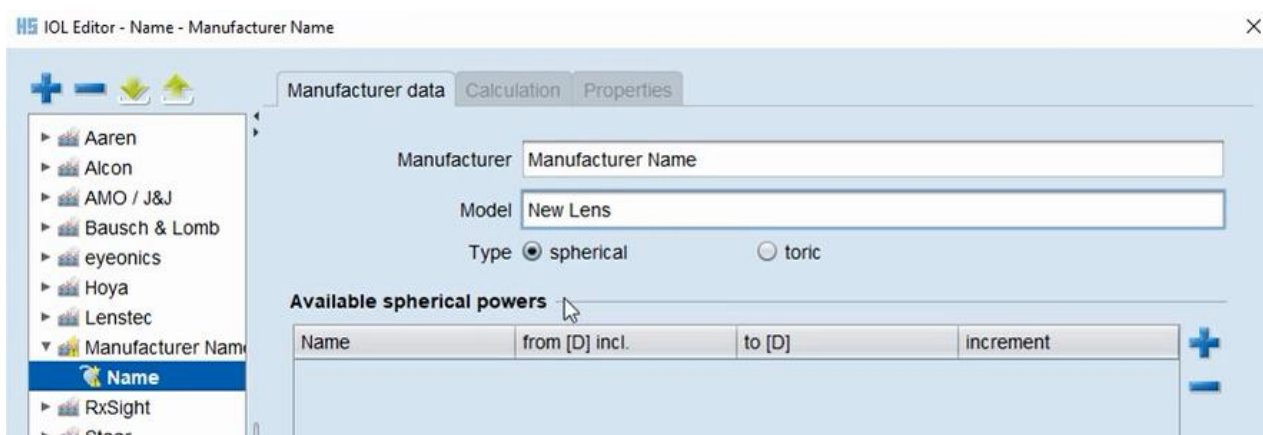
Adding Spherical Lenses in EyeSuite

Step 1: Open the IOL Editor

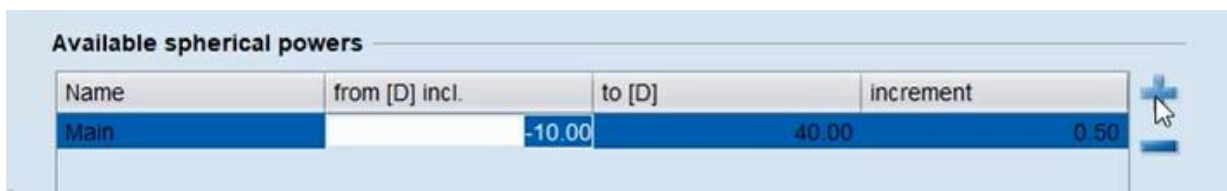


Step 2: Click on the blue “+” above the list of existing lenses to add a new lens entry.

Step 3: Enter the name of the Manufacturer and model name.



Step 4: Click on the blue “+” to the right of the “Available spherical powers” to add a range. This range can be edited to reflect the actual powers and increments that the lens is available in. However, the default range of -10.00 to +40.00 can be used for a greater range to calculate.



Step 5: Click on the “Calculation” tab and the blue “+” to the right of the “Spherical calculation constants” to add the available formula constants.

Manufacturer data Calculation Properties

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Spherical calculation constants

Constant	Device	from [D] incl.	to [D]	value	
Barrett DF	optical	-10.00	40.00		-
Barrett LF	optical	-10.00	40.00		-
Halgis A0	optical	-10.00	40.00		-
Halgis A1	optical	-10.00	40.00		-
Halgis A2	optical	-10.00	40.00		-
Hill RBF A	optical	-10.00	40.00		-
Hoffer Q pACD	optical	-10.00	40.00		-
Holladay SF	optical	-10.00	40.00		-
Manufacturer A	optical	-10.00	40.00		-
Olsen ACD	optical	-10.00	40.00		-
Olsen AR	optical	-10.00	40.00		-
Olsen LT	optical	-10.00	40.00		-
Olsen N	optical	-10.00	40.00		-

Step 6: Begin entering the values for each of the formula constants.

Note: You will not be able to calculate without these values entered for any given formula.

Manufacturer data Calculation Properties

revision shown Version 1 go back to this revision

Spherical calculation constants

Constant	Device	from [D] incl.	to [D]	value	
Hill RBF A	optical	-10.00	40.00		-
Hoffer Q pACD	optical	-10.00	40.00		-
Holladay SF	optical	-10.00	40.00		-
Manufacturer A	optical	-10.00	40.00		-
Olsen ACD	optical	-10.00	40.00		-
Olsen AR	optical	-10.00	40.00		-
Olsen LT	optical	-10.00	40.00		-
Olsen N	optical	-10.00	40.00		-
Olsen PR	optical	-10.00	40.00		-
Olsen SA	optical	-10.00	40.00		-
SRK-II A	optical	-10.00	40.00		-
SRK/T A	optical	-10.00	40.00	119.00	-
Shammas No-Hi	optical	-10.00	40.00	119	-

Step 7: Once you have entered a value in the value column, scroll up to the Barrett LF and select the row, then right mouse click to populate the option to “Calculate LF from SRK/T A-Constant”. Click on that option to auto-populate a value. This value can also be typed in if you do not wish to utilize the calculated value based on the SRK/T A Constant for optical biometry.

Constant	Device	from [D] incl.	to [D]	value
Barrett LF	optical	-10.00	40.00	
Haigis A0	optical	-10.00	40.00	
Haigis A1	optical	-10.00	40.00	
Haigis A2	optical	-10.00	40.00	
Hill RBF A	optical	-10.00	40.00	
Hoffer Q pACD	optical	-10.00	40.00	
Holladay SF	optical	-10.00	40.00	
Manufacturer A	optical	-10.00	40.00	

Step 8: The Barrett DF may be entered if the lens shifts to a meniscus lens design for low powers. For example, some lenses will shift from a biconvex lens design to meniscus at 5.00D. Therefore, the value for the Barrett DF would be 5.00D.

Barrett DF	optical	-10.00	40.00	5.00
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Note: Please refer to the Olsen IOL Data Collection Worksheet for calculated Olsen values.

Step 9: Once you have entered all of the formula constants, click “OK” to save your entries.

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Constant	Device	from [D] incl.	to [D]	value
Barrett DF	optical	-10.00	40.00	5.00
Barrett LF	optical	-10.00	40.00	1.88
Haigis A0	optical	-10.00	40.00	1.080
Haigis A1	optical	-10.00	40.00	0.400
Haigis A2	optical	-10.00	40.00	0.100
Hill RBF A	optical	-10.00	40.00	119.00
Hoffer Q pACD	optical	-10.00	40.00	5.80
Holladay SF	optical	-10.00	40.00	1.96
Manufacturer A	optical	-10.00	40.00	118.80
Olsen ACD	optical	-10.00	40.00	4.66
Olsen AR	optical	-10.00	40.00	19.973
Olsen LT	optical	-10.00	40.00	0.80
Olsen N	optical	-10.00	40.00	1.55570

Guidance

Define spherical constants values for this IOL.

OK **Cancel**

Adding Toric Lenses in EyeSuite

Step 1: Repeat steps 1-3 from “Adding Spherical Lenses in EyeSuite”, EXCEPT in Step 3:

Choose “Toric”

Manufacturer data | Calculation | Properties

Manufacturer:

Model:

Type: spherical toric

Available spherical powers

Name	from [D] incl.	to [D]	increment
Main	-10.00	40.00	0.50

Available cylindrical powers

Model	Power@IOL
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Note: This also adds a section for “Available cylindrical powers”.

Step 2: Click on the blue “+” next to the “Available cylindrical powers” to add each model of cylinder correction.

Note: It’s best to add these one at a time. It is also recommended, to enter a “Non Toric” model for the lower amount of measured astigmatism so a calculator will still populate.

Manufacturer data | Calculation | Properties

Manufacturer:

Model:

Type: spherical toric

Available spherical powers

Name	from [D] incl.	to [D]	increment
Main	-10.00	40.00	0.50

Available cylindrical powers

Model	Power@IOL
ABCx / Non Toric	0.01

Guidance

Define power ranges for which this IOL is available.

Step 3: Once you have finished entering each model and Power at IOL, Click on “Calculation” to continue.

Manufacturer data Calculation Properties

Manufacturer:

Model:

Type: spherical toric

Available spherical powers

Name	from [D] incl.	to [D]	increment
Main	-10.00	40.00	0.50

Available cylindrical powers

Model	Power@IOL
ABCx / Non Toric	0.01
ABC150	1.50
ABC225	2.25

Guidance

Define power ranges for which this IOL is available.

OK Cancel

Step 4: Repeat steps 5-8 from “Adding Spherical Lenses in EyeSuite”.

Step 5: Click on the blue “+” to the right of the “Torical Calculation Constants” to pull over each toric model that was entered in the “Manufacturer Data” tab.

CAUTION: Do this one at a time!

Manufacturer data Calculation Properties

revision shown: go back to this revision

Spherical calculation constants

Constant	Device	from [D] incl.	to [D]	value
Barrett DF	optical	-10.00	40.00	5.00
Barrett LF	optical	-10.00	40.00	1.88
Haigis A0	optical	-10.00	40.00	1.080
Haigis A1	optical	-10.00	40.00	0.400
Haigis A2	optical	-10.00	40.00	0.100

Torical calculation constants

Model	from [D] incl.	to [D]	Power@Cornea	Comments
ABCx / Non Toric	0.00	0.00	0.00	

Guidance

Define spherical constants values for this IOL.

OK Cancel

Step 6: Modify the cylinder ranges and power at the IOL plane for the first model.

Note: EyeSuite does not allow for a gap between ranges. Therefore, ranges may require slight modifications.

The screenshot shows the 'Properties' tab in the EyeSuite software. At the top, there are tabs for 'Manufacturer data', 'Calculation', and 'Properties'. Below these, a dropdown menu shows 'revision shown' as 'Version 2' with a 'go back to this revision' button. The 'Spherical calculation constants' section contains a table with columns: Constant, Device, from [D] incl., to [D], and value. The 'Toric calculation constants' section contains a table with columns: Model, from [D] incl., to [D], Power@Cornea, and Comments. A 'Guidance' box at the bottom contains the text 'Define spherical constants values for this IOL.' and 'OK' and 'Cancel' buttons.

Constant	Device	from [D] incl.	to [D]	value
Barrett DF	optical	-10.00	40.00	5.00
Barrett LF	optical	-10.00	40.00	1.88
Haigis A0	optical	-10.00	40.00	1.080
Haigis A1	optical	-10.00	40.00	0.400
Haigis A2	optical	-10.00	40.00	0.100

Model	from [D] incl.	to [D]	Power@Cornea	Comments
ABCx / Non Toric	0.00	0.75	0.00	

Step 7: Click on the blue “+” to right of the “Toric calculation constants” to pull in the next model and modify the cylinder range and the “Power @ Cornea”. Repeat Step 5 until completed.

The screenshot shows the 'Properties' tab in the EyeSuite software, similar to the previous one. The 'Toric calculation constants' table now has two rows: 'ABCx / Non Toric' and 'ABC150'. The 'ABC150' row has 'from [D] incl.' of 0.75, 'to [D]' of 1.50, and 'Power@Cornea' of 1.03. The 'Guidance' box and buttons remain the same.

Constant	Device	from [D] incl.	to [D]	value
Barrett DF	optical	-10.00	40.00	5.00
Barrett LF	optical	-10.00	40.00	1.88
Haigis A0	optical	-10.00	40.00	1.080
Haigis A1	optical	-10.00	40.00	0.400
Haigis A2	optical	-10.00	40.00	0.100

Model	from [D] incl.	to [D]	Power@Cornea	Comments
ABCx / Non Toric	0.00	0.75	0.00	
ABC150	0.75	1.50	1.03	

Step 8: Click "OK" to save your entries.

Manufacturer data Calculation Properties

revision shown Version 2 go back to this revision

Spherical calculation constants

Constant	Device	from [D] incl.	to [D]	value
Barrett DF	optical	-10.00	40.00	5.00
Barrett LF	optical	-10.00	40.00	1.88
Haigis A0	optical	-10.00	40.00	1.080
Haigis A1	optical	-10.00	40.00	0.400
Haigis A2	optical	-10.00	40.00	0.100

Toric calculation constants

Model	from [D] incl.	to [D]	Power@Cornea	Comments
ABCx / Non Toric	0.00	0.75	0.00	
ABC150	0.75	1.50	1.03	

Guidance

Define spherical constants values for this IOL.

OK Cancel