

Solenzara CSV Files.

This document describes the layout of the files.

Lenses.csv.

Column	Description	Notes
A Code	Lens code of the product	
B Material	Description of the material.	Every unique entry in this column is shown in the material list. Note that this is freetext. Please also see Organic/Mineral and Refractive Index below as this can define the material more precisely.
C Colour	Description of colour inherent in the lens.	Every unique entry in this column is shown in the colour list. Note that this is freetext.
D Style	Description of style	Every unique entry in this column is shown in the style list. Note that this is freetext. Please see Lens Form below as this will be more precise.
E Design	Description of the design.	This is freetext but generally, For varifocal this is expected to be the design, for bifocal it will be the segment, for Single Vision, it will be to identify feature of the lens. If it is not set then "regular" or "other" will be inserted.
F Description	Description of the lens	
G AR Coating	Decides if coating is permitted on the lens.	0 = indicates no coating allowed, 1 = indicates that

		<p>general coatings are allowed, Family = This is a semicolon delimited string indicating the treatment families that can be applied on this lens. Eg SK1:TV9 indicates that only AR Coatings that are in the families SK1 or TV9 are allowed on this lens.</p>
H Hard coat	Decides if hard coating is permitted on this lens	As for AR Coatings
I Tint	Decides if tinting is permitted on this lens.	As for AR Coatings
J UV	Decided if UV is permitted on this lens	As for AR Coatings
K Refractive Index	Refractive index in form 1498, 1523 etc	
L Lens form	1 = Single Vision 2 = Bifocal 3 = Executive 4 = Varifocal 5 = Degressive	
M Organic/Mineral	Either O or M	
N Coating required	Decides if coating is required.	If blank (or 0) then means that the lens can be ordered "Uncoated". If not blank then it is the code of the default coating. If there is not a default coating then set to 1 to indicate a coating must be provided.
O Source	Indicates source of lens.	Eg Zeiss, Essilor. Used for selection.
P Minimum fitting height	Used for varifocals	Eg 17 It is possible to have the Solenzara program select the most suitable lens for the requested height. In this case there is a suffix M applied.

		<p>For example if there are 3 lengths, 14, 17, 19 then these are recorded as 14M, 17M, 19M. If a height of 18 is supplied then the 19M lens will be chosen.</p> <p>It is also possible to specify a minimum height from top rim by entering -4.</p> <p>The two can be combined by entering as 17:-4 so the height has to be 17 from the bottom and 4 from the top.</p>
Abbe		
Density		
Frame Family group		<p>0 or blank – means lens cannot be used for remote edging 1 – means lens can be used for remote edging Otherwise, it is a semicolon delimited string of frame families eg SP:RE to indicate that this lens is to be used with Sport frames and can be used for Remote Edging.</p>

Treatment.

This indicates the treatments that can be added to the lens. Treatments are described as AR coating, Hard coating, Tint or UV.

Column	Description	Notes
A Code	The code for the treatment.	As specified by the lab.
B Description	Description of the treatment.	
C Type	Type of treatment.	A = AR coating H = Hard coating T = Tinting U = UV M = Mirror Note that some older exports have 0,1,2,3,4 to match A,H,T,U,M respectively.
D Brand / Family	Treatment Family list.	A semicolon delimited list. A treatment can only be added to the lens if there is a matching entry in the lens family list. If blank then the treatment can be applied to any lens where "1" was specified in the lens family list. For example, ABC:DEF means that the treatment can be applied to an lens with a family code of ABC or DEF.

Prices. (Optional)

This optional data describes the prices charged. It is usually the standard catalogue price. The following price list codes are traditionally used.

P0001 – standard prices for treatments.

P0001 – standard price list for Uncut lenses

P0002 – standard price list for Glazed lenses – only relevant if glazing is NOT charged as an add-on.

P0003 – standard price list for Remote edging – only relevant if remote edging is NOT charged as an add-on.

P0004 – standard price list for Finished Uncut lenses - only relevant if the lens code covers both finished and surfaced work.

P0005 – standard price list for Finished Glazed lenses – only relevant if the lens code covers both finished and surfaced work AND glazing is NOT charged.

Pricelists can have different names eg LAB, RETAIL.

Only standard price lists are made available.

The product code can be used to create a price for a combination of lens and treatment. Eg A product code of LPS+HMC here indicates that this is the price for lens PS with a treatment of HMC.

Column	Description	Notes
A: Price list code		Please see notes above.
B: Product code	Product code as defined in the lens and treatment lists.	Lenses start with "L" Treatments (tints / coats) start with "T". Extras (glazing, prism) start with "E". The code as in the lens / treatment files then follows eg LPS or THMC.
C: Size	Diameter for lenses	
D: Date range id	Not used currently but to allow different prices on different dates	leave blank or 0.
E: Date range	Defines start and end	Can leave blank if there

	dates.	is no date range.
D: Grid Structure	Define pricing grid.	If left blank then a single price is applied. The grid structure is the spheres separated with ":" followed by " " and then cyls separated with ':' eg 2:4:6 0:2:4 defines a 3 x 3 grid.
E: Prices		If a single price is specified then contains the single price. If a grid is defined then contains the prices in the grid format. The format is each row of the grid separated with " ". Each column in the row is separated with ":". So prices of 2.45 3.65 9.10 4.12 5.67 12.60 6.34 8.88 15.99 is 2.45:3.65:9.10 4.12 5.67:12.60 6.34:8.88:15.99
F: Discounts	Contains information on discount applied to this lens.	If left blank then standard discount rules will apply.
G: Minimum Power	Minimum Power for the lens. A power below this will incur an outside range charge.	Eg -12.00 For Lenses only.
H: Maximum Power	Minimum Power for the lens. A power below this will incur an outside range charge.	Eg 8.50 For Lenses only.
I: Maximum Cyl	Defines the max. Cylinder allowed.	Eg 6.00 For Lenses only.

J: Minimum Add	Defines the minimum add.	If the add is less than this an outside add charge is applied. If the field is left blank or zero then the charge is not applied.
K: Maximum Add	Defined the Maximum Add.	If the add is higher than this an outside add charge is applied. If the field is left blank or zero then the charge is not applied.
L: Inclusive Prism	Defines the prism included in the price.	Prisms up to this are free.
M: TreatmentPrefix	Switch for different treatment prices.	Switches the lens to use different treatment prices using the code <i>TreatmentPrefix-TreatmentCode</i> eg ES-EMT for Essilor Metal Glazing

Ranges. (Optional)

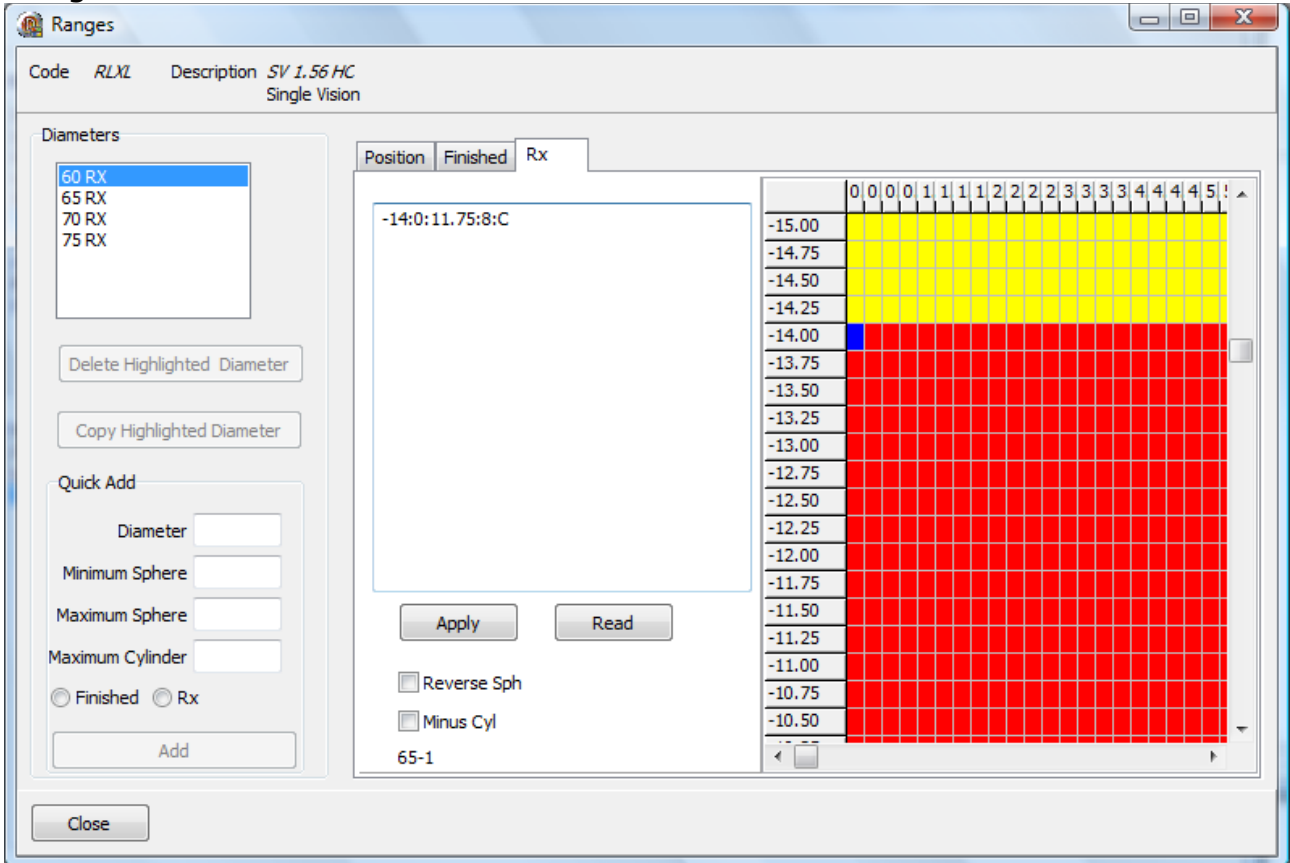
This optional table is used to define the lens availability. The lab can configure the system so as to not allow any order which fails the validation check or to use this just to advise on general availability.

Column	Description	Notes
A: Lens code	As in lenses.csv	
B: Diameter	Physical diameter –	decentred lens have a non-zero value in column
C: Type	F for finished range, V for validation range	
D: Low Add 1	Define first add range	Value 1.00 if range is 1.00 to 3.50, can leave blank if there is no add range.
E: High Add 1	Define first add range	Value 3.50 if range is 1.00 to 3.50 can leave blank if there is no add range. Steps are 0.25
D: Low Add 2	Define second add range	Value 3.00 if range is 3.00 to 4.00 can leave blank if there is no add range. Steps are 0.50
E: High Add 2	Define secon add range	Value 4.00 if range is 3.00 to 4.00 can leave blank if there is no add range.
F: Horizontal Decentration	For varifocal lenses, will define the position of the fitting cross in.	Eg 2.00
G: Vertical Decentration	For varifocal lenses, will define the position of the fitting cross up	Eg 4.00 for 4 above
H: Default Inset	For bifocal lenses, the default inset position	Eg 2.00
I: Prism	Defines the max. prism allowed.	If left blank then any prism is allowed.
J: Ranges	Defines the ranges	Eg -6:0:4:2:C The range data structure is described more fully below.

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Range Data structure.

The range availability grid is built from a set of rules and there is a program where this can be entered. Clicking on the diameters in the top left will show the grid where it can be refined.



In this case, the lens is available from sph -14.00 to 11.75 combined with cyls from 0 to 8.00. The grid is built from a set of rules. The rules have the following format.

Min Sph:Min Cyl: Max Sph: Max Cyl:Rule form.

Rule form is

B for Block

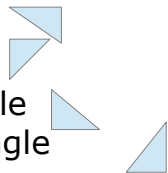
C for Combined

1 for top right triangle

2 for top left triangle

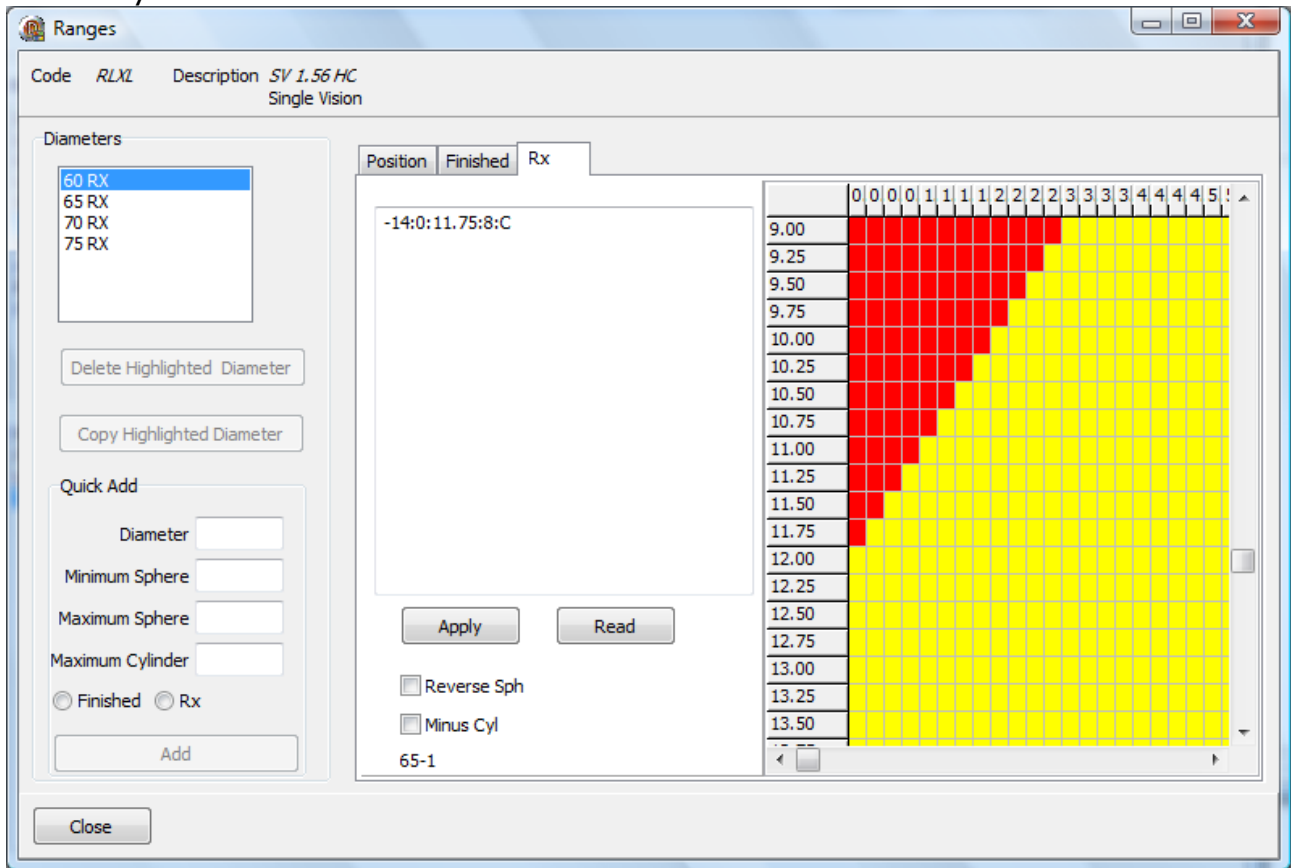
3 for bottom left triangle

4 for bottom right triangle

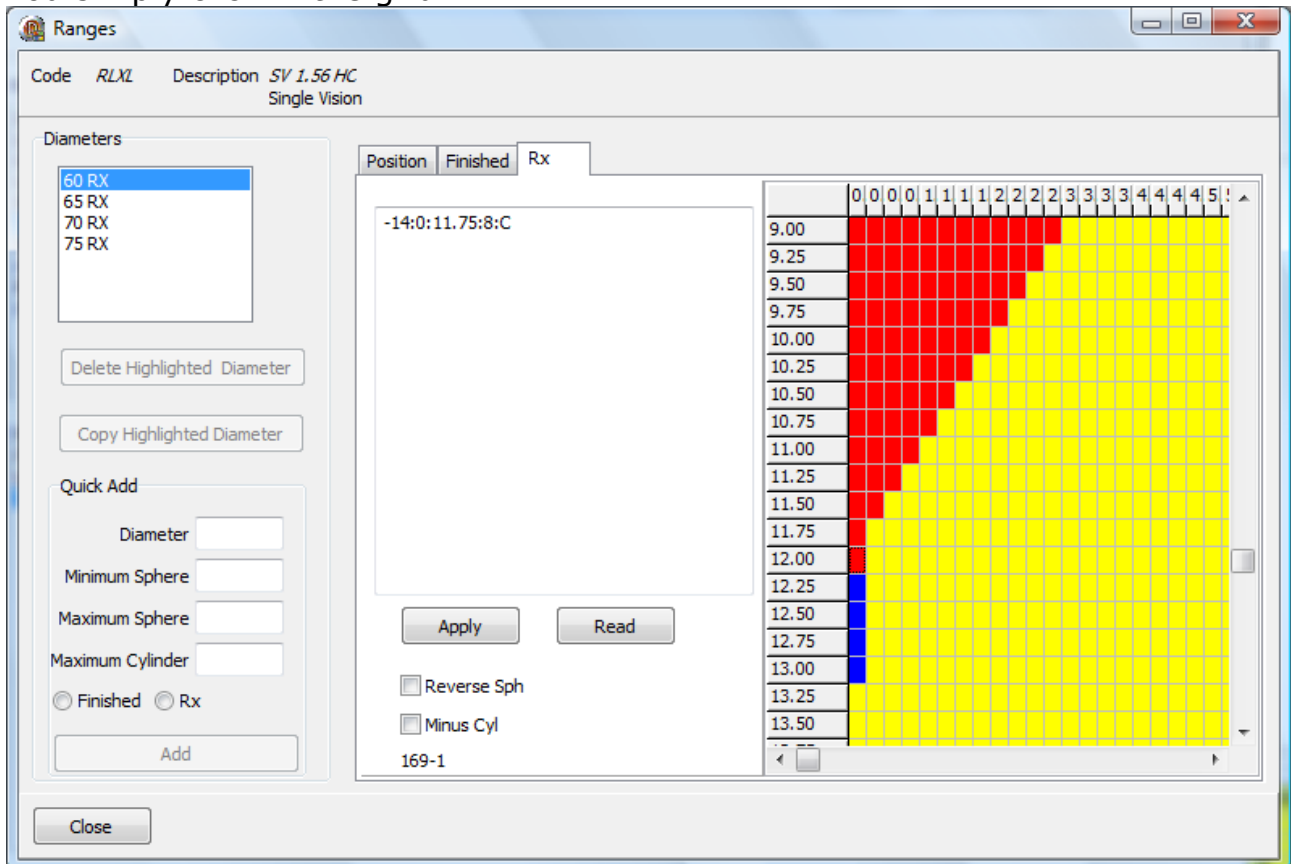


BUT you do not need to worry about this as you can also create the entries by clicking in the grid.

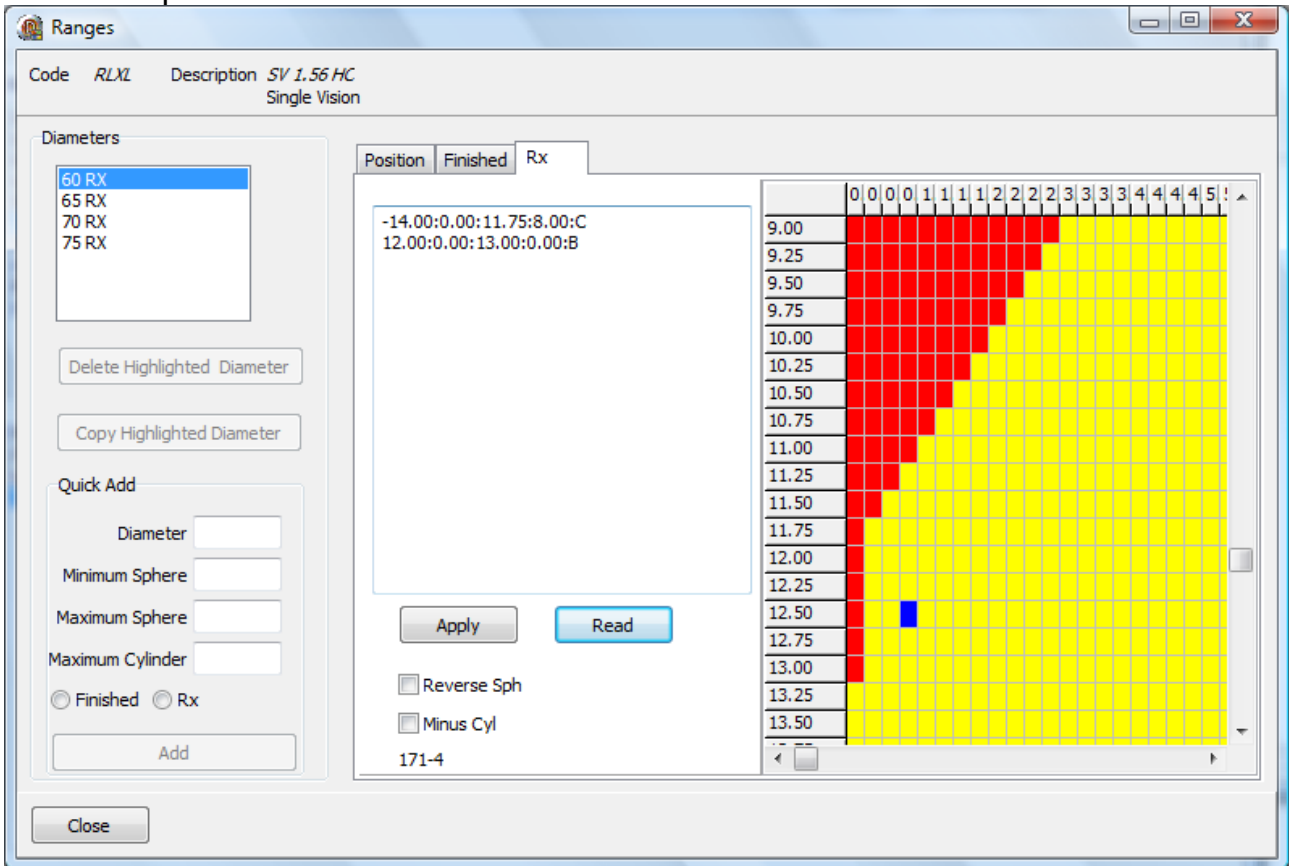
Let's suppose it is possible to make the lens to 13.00 with cyl 0. The grid is currently



You simply click in the grid.

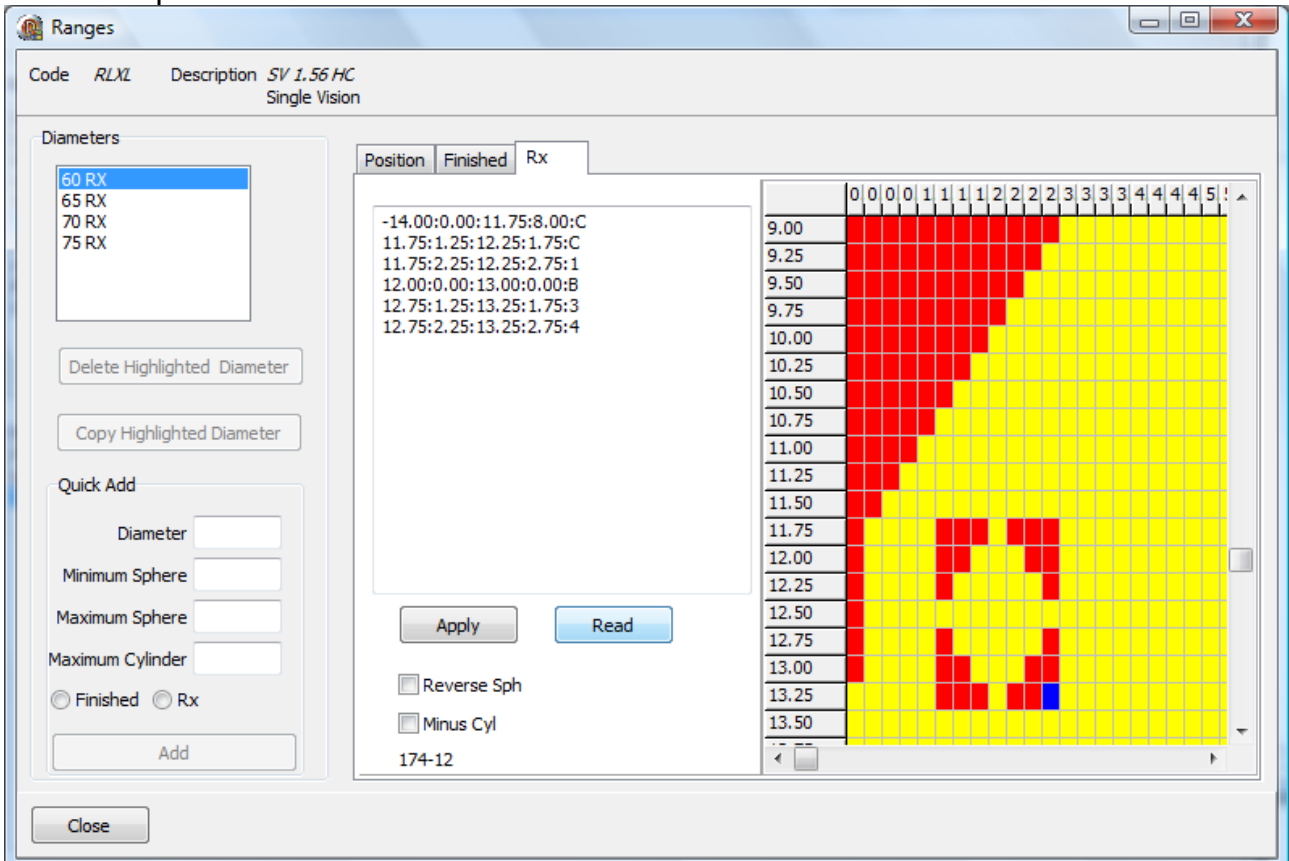


And then press "Read".



The software has automatically found the rule for you.

For example.



I know you are going to do something similar!

Frames. (Optional)

This optional table is used to define the frames supplied by the lab.

Column	Description	Notes
A: Frame code	Code to describe the frame	
B: Description	Description	
C: Eye	Eyesize	
D: DBL	DBL	
E: Colour Code	Colour code	Code eg A to identify the colour. A single character code is recommended.
F: Colour Description	Description of colour.	
G: Frame Type	Identifies type of frame	PL = Plastic MT = Metal RL = Rimless NS = Nylon Supra - grooved.
H: Standard Shape number	If there is not a shape associated with the frame then this defines which standard shape closely matches the frame shape.	Specified as STD-1 to STD-8
I: Depth	For a standard shape, this will be the depth.	
J: Supplied	Indicates if the frame is supplied by the lab ie it is stocked.	1 = Supplied / Stocked 0 = Not stocked
K: Frame Family	If the frame is restricted to certain lenses then this is used to define the family of lenses. For example, for sports frames there may be restrictions on the lenses that can be supplied	A code to identify the family.
L: Side	Side length	
M: Supplier	Frame supplier	
N: Status	Code to indicate the status	D = Discontinued X = Deleted

		Blank = Live
O: Brand	Identifies brand of frame. If not set then the brand is deduced from the first word of the description.	
P: Group	Group to connect like frames together in searches or report	