CC-LENS Contact Lenses

Fitting Guide

SCOTLENS
CUSTOM FIT CONTACT LENSES

CONTENTS

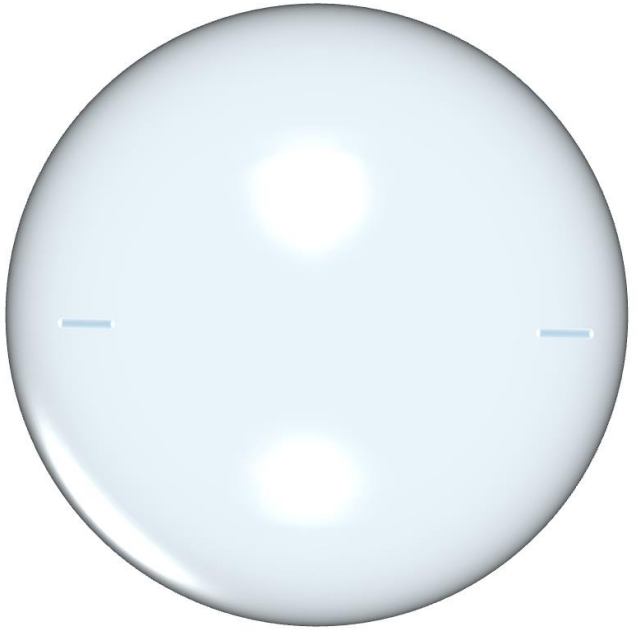
1. WHY CC AND CC TORIC?

The spherical BOZR provides optimum visual acuity correction even with the lens in a decentred lens position. The aspheric periphery providing optimum corneal fitting and tear exchange up to 9.80 diameter.

CC lenses have over 95% first lens success from empirical ordering with Ks and Rx

Lathe2i freeform manufacture ensure optimum surface qualities, accuracy and repeatability.

This is combined with fast delivery times, supporting your clinic time management.



2. ORDERING EMPIRICALLY

STEP 1

Measure K's and note these, along with spec rx

and BVD

STEP 2

Choose your material*

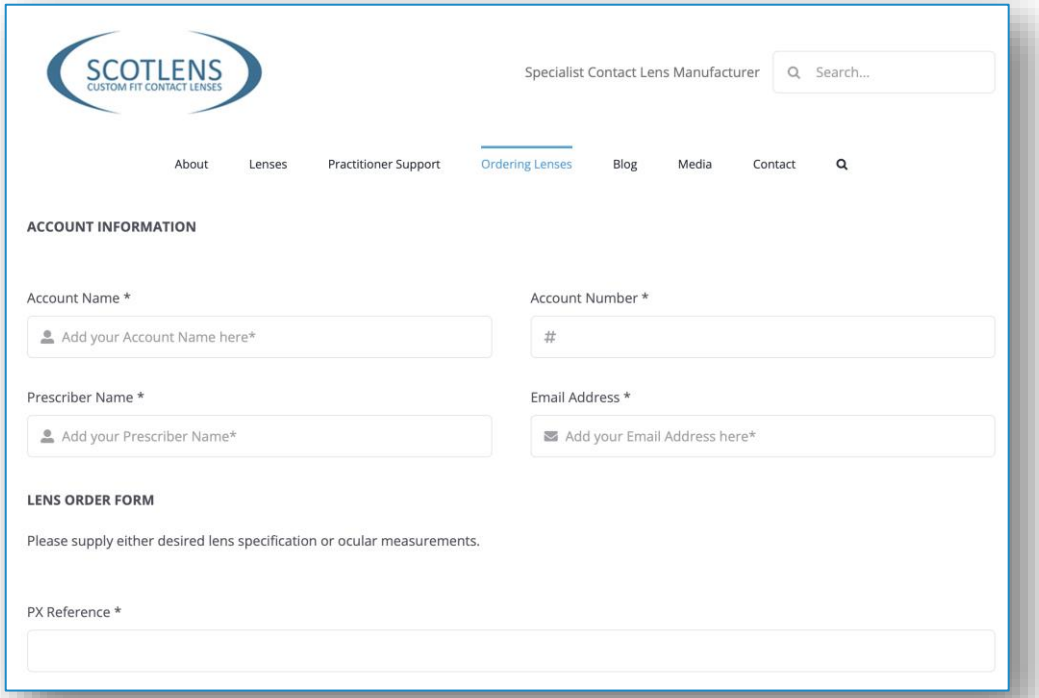
**See 'materials' section for more information*

STEP 3

Visit us to place your order

https://www.scotlens.com/new-lens-order/

Or email us lab@scotlens.com

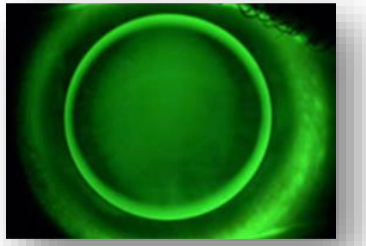
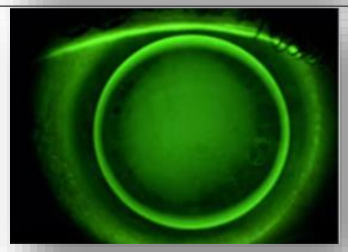
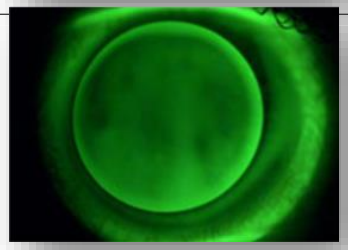


3. TOP TIPS FOR FITTING

- For new wearers, instil anaesthetic to optimise initial patient experience
- Assess lens fit with fluorescein and yellow filter at the slit lamp

  Scotlens can supply yellow filters. Plastic non disposable (see price list)
- With toric lenses, note any rotation using flat axis marks (- -)

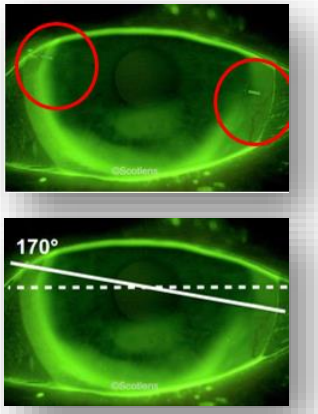
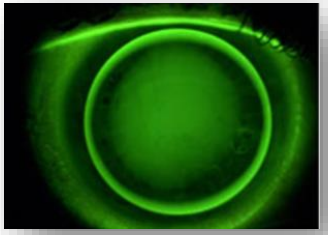
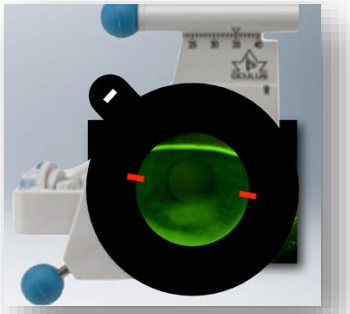
4. FIT ASSESSMENT

Fluorescein Pattern	Description	Action
	**Optimal fit** Faint central pooling Stable movement post blink vertically 1-2mm	None required
	**Steep fit** Central pooling	Flatten BOZR 0.1mm and adjust power by 0.50
	**Flat fit** No central pooling Excessive movement	Steepen BOZR 0.1mm and adjust power by 0.50

5. TOP TIPS FOR VISUAL ASSESSMENT

- Assess the acuity with a distance chart and check the lens power with spherical over refraction.
- If monovision is the target, note the minus over refraction in the reading eye for optimum distance vision
- With toric lenses, align cross cyl with the rotation of the flat axis markings

6. TORIC OVER REFRACTION

Locate	Adjust	Over Refract	Combine
Locate the flat meridian axis marks on a fully settled toric lens. These should be aligned to within 20 degrees of the flattest K reading and be stable 	If there is rotation of the markings, address any issues with the fit by adjusting the BOZR before attempting a toric over refraction 	Carry out your over refraction with the minus cyl axis aligned with the lens markings as shown 	The sphere power is combined with both merdians, and the minus cyl power is combined with the steep merdian, as the cyl power is at 90 degrees to the axis This information can then be recorded on the online form on the website www.scotlens.com

7. FITTING USING A TRIAL SET

K's	BOZR	Rx Adjustment
0.00 to 1.75 D Cyl Ks differ up to 0.35	Select back optic zone radius 0.1mm steeper than flat K	Add -0.50 to the spec Rx sphere*
Over 2.00 D Cyl Ks differ 0.40 or more, fit CC toric	Spherical trial lens inappropriate Order empirical from Ks & Rx Suggested custom spec- K FLAT BOZR -0.05mm K STEEP BOZR +0.05mm	Suggested for custom- Power Flat meridian add -0.25 to the spec rx* Power Steep meridian add +0.25 to the spec rx*

*Spectacle Rx should be minus cyl form.
Correct for BVD is spec Rx is over ±4.50

8. MATERIALS

Dk		Material	Recommended Application
LOW	11	F2 Low	Daily wear for lenses below 9.00mm
	17	Scotlens GP1 (No exchange)	
	18	Boston ES	
	26	Contamac Optimum Classic	
MID	58	Boston EO	Daily wear for lenses below 10.00mm
	65	Contamac Optimum Comfort	
	40	Paragon HDS	
HIGH	100	Boston XO	Night lenses, daily wear, extended wear, scleral and corneoscleral
	100	Acuity 100	
	100	Contamac Optimum extra	
	100	Paragon HDS 100	
HYPER	125	Contamac Optimum Extreme	All day wear, extended wear, corneal pathology present, 6 monthly frequent replacement, sclerals
	141	Boston XO2	
	160	Optimum Infinite	
	200	Acuity 200	

9. PARAMETERS

BOZR	4.00-12.00mm
Diameter	9.50mm or custom
Power	Spherical+/-25.00D Toric <7.50 dioptres between meridians
Back Surface	Spherical Toric (>1.50mm between meridians)
Front surface	Spherical Toric
Axial edge lift	140µm or custom

10. TROUBLESHOOTING

Observation	Modification
Fluorescein pattern shows an alignment fit but lens is riding low	Increase the total diameter by 0.5mm
Fluorescein pattern shows an alignment fit but lens is riding high	Steepen the lens if slightly flat or increase the total diameter by 0.5mm
Fluorescein fit shows alignment but there is excessive movement	Increase the total diameter by 0.5mm
Lens is dropping in an arcuate pattern	This can indicate a flat fitting so double check the fluorescein pattern, by gently centring the lens manually if necessary
Poor wetting	Consider changing the material, for example Boston EO
3 & 9 o'clock staining	This can be caused by poor centration, a lens that is fitting too flat or can be linked to tear film issues. Manage the underlying cause first and if the staining persists, try adjusting the diameter or back surface design or send us images for advice

11. WARRANTY

RETURNS, EXCHANGES & CREDITS

- Lenses come with standard exchange.
- Order the adjusted power lens(es), patient can continue to wear initial pair.
- New lenses will arrive with a warranty card. Issue the new lenses and return initial with warranty card.
- Standard exchange is one free exchange, thereafter 50%, within 3 months of initial order. There is a £4 administration charge per lens.
- Any right that you have to reject the goods as not complying with the contract or delivery note/invoice must be exercised within 5 days of delivery.
- See current price list for full current T&C.

t: 01506 844272 | e: lab@scotlens.com | w: scotlens.com

Scotlens Ltd, Mill Road Industrial Estate,
Linlithgow, EH49 7SG