

# NISSEL CUSTOM

A HAND PAINTED SOFT CONTACT LENS FOR A NATURAL LOOK

## PRODUCT SPECIFICATION

### Features

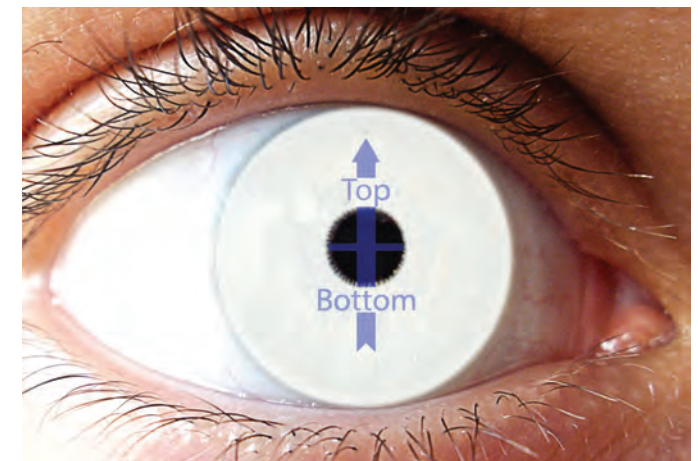
- Iris enhanced to match digital image or swatch
- Clear & Black pupils
- Opaque black backing as standard
- Offset pupil/iris available
- High water content
- Spherical & Toric designs
- Prosthetic & Cosmetic use
- Large specification range
- Up to 2 fitting lenses supplied at no charge
- Special FX use
- Lathe cut
- Colour swatch

### Can help with the following conditions

- Albinism
- Aniridia
- Amblyopia
- Corneal Scarring
- Coloboma
- Congenital Defects
- Diplopia
- Esophoria
- Exophoria
- Strabismus
- Traumatic Iridoplegia
- Enophthalmos

<b>Material</b>	Contamac Filcon II 3 Contaflex									
<b>Water Content</b>	77%									
<b>Permeability (Dk)</b>	45 x 10 <sup>-11</sup>									
<b>Base Curve mm</b>	6.60 to 10.40 (0.10 steps)									
<b>Diameter mm</b>	11.00 to 20.00 (0.50 steps)									
Not all Base Curves are available in diameters above 16.50mm. Please refer to our material parameters sheet for available sizes										
<b>Power Range 0.25D steps</b>	-30.00D to +30.00D (0.25D steps) Higher powers may be available									
<b>Cyl Powers</b>	-6.00DC to -0.75DC (0.25DC steps)									
<b>Axis Direction</b>	5° to 180° (5° steps)									
<b>Centre thickness mm</b>	@ 14.5mm -3.00 = 0.31									
<b>Clear Pupil Diameter mm</b>	2.00	2.50	3.00	3.50	4.00	4.50	5.00	6.00		
<b>Black Pupil Diameter mm</b>	2.50	3.00	3.50	4.00	4.50	5.00	6.00	7.00	8.00	9.00
<b>Pinhole Pupil Aperture mm</b>	1.50		2.00		2.50		3.00		3.50	
<b>Visible Iris Diameter mm</b>	11.50		12.00		12.50		13.00		13.50	

If pupil and iris size required not stated, please ask



# FITTING PROCEDURE

- Full refraction and eye examination
- Keratometry

There is no credit or exchange facility with these lenses so a trial lens should be ordered to assess fit and vision (if a sighted eye)

## LENS SELECTION

- Select diameter 2-3mm larger than HVID
- Select base curve based on K readings

Lens Diameter (mm)	Steep K's <7.70mm	Average K's 7.80mm – 8.35mm	Flat K's >8.35
Order base curve flatter than flattest K by (mm):			
13.00 & 13.50	0.7	0.3	0.2
14.00 & 14.50	1.1	0.7	0.6
15.00 & 15.50	1.5	1.1	1

- Order power calculated from spectacle Rx and adjusted for BVD. Please contact us if help is needed with conversions or with toric prescriptions.

## TRIAL LENSES AVAILABLE

### Standard spherical

- Clear pupil
- White opaque iris
- Blue handling tint

### Diagnostic/Stabilised lens – for use when iris/pupil needs to be decentred

- Clear pupil
- White opaque Iris
- Blue handling tint
- Markings on lens to measure rotation

### Prism ballast lens

- White opaque Iris
- Blue handling tint

## LENS FIT

- Insert lens and allow to settle for 30 minutes.

Characteristic	Good Fit	Steep Fit	Flat Fit
Comfort	Good	Good initially	Poor
Centration	Good	Often good	Often poor
Coverage	Full limbal coverage in all directions of gaze	Often good	Poor
Edge	Good	May cause conjunctival indentation	Edge stand-off/fluting
Movement with blink	Good	Inadequate- None	Excessive
Push up test	Easily moved/recentres	Difficult to displace/slow recentration	Easily moved/poor recentration

- If the base curve or diameter needs to be adjusted then we would suggest ordering another fitting lens with the adjusted parameters. Up to two fitting lenses will be supplied at no charge.
- Over refract
- Measure any rotation

- If the fit is not acceptable then order another trial lens making the necessary adjustments.

**Once happy with the fit proceed with the following;**

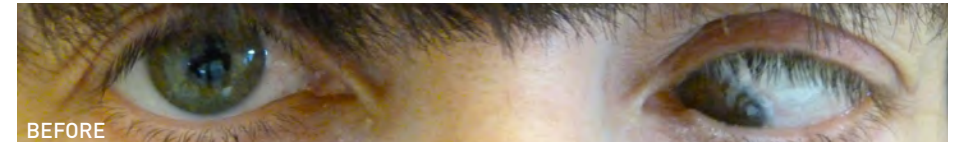
- Measure pupil diameter in average illumination.
- Measure iris diameter.
- Take photographs of the good eye (to be used for a colour match), the eye requiring the lens (it is important that our artists know what they are covering) and both eyes together with a piece of white paper, or swatch, resting on the forehead. See notes below on how to take the image.
- The photograph should be emailed to us in JPEG format rather than printed and sent by post.
- The Nissel Custom swatches can also be used to advise us of the condition of the eye to be covered and also of the closest colour match required for the lens.
- Alternatively if a patient has a working lens that they are happy with, this can be sent to us for matching.

### IMAGE GUIDELINES

- Specialist photographic equipment is not necessary, smart phones/tablets can be used to take the image.
- The image should be taken between 6 & 12 inches away. A close image is not always the best.
- The picture is best taken with as much natural light as possible making sure NOT to have the light source behind the subject.
- The image must be in focus, we are not able to accept distorted images.
- The white paper, or swatch, held on the forehead enables our artists to adjust the image on their computer screens to get a better colour match.
- We only require a photograph of the eyes. This is reassuring for some sensitive patients and for patient confidentiality/data protection reasons.

### ASSESSING THE FINISHED LENS

The finished lens will fit the same as the trial lens/es that were supplied. The colour of the lens should be assessed in natural light, preferably in the same place that the initial photographs were taken in. If for any reason you are unhappy with the colour of the lens, a photograph of the lens on eye should be taken with the good eye in the same image. We can then make any adjustments to correct the colour.



### CARE GUIDELINES

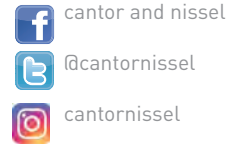
The recommended care system is Oté Twins Active which is a multipurpose solution. Hydrogen Peroxide systems may be used. Other multipurpose systems may cause the colour to fade and void warranty.

### LENS MODALITY

This is a lathe cut daily wear lens which is designed to last up to 12 months. Some patients will find that the lens needs to be replaced more frequently. This will depend on the wear and care and will be determined by the practitioner. Some patients will find that due to the composition of their tears the opaque in the lens can fade, for these patients it can be helpful for them to have two working lenses so that one can be returned to us for re-opaquin whilst one is being worn.

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## PHOTOGRAPH CHECK LIST

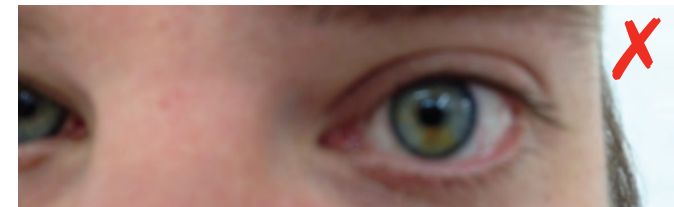
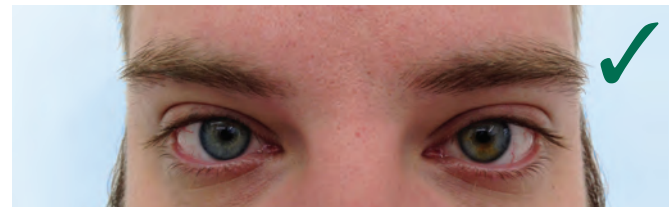
Each of these images has been cropped and re-sized for this literature, thus the quality of the image has been affected.

The original images taken with a smart phone had a file size of 2mb and had an image size of 115cm x 86cm.

When shown on a PC monitor the images are crisp and clear displaying the full iris detail.



Was the camera between 6 and 12 inches from the eyes and is the photograph in focus?



Are both eyes clearly in the photograph?



Do you have a piece of white paper, or swatch, held against the forehead?



Do you have a good light source for the photographs?