



# Nissel Custom

## FEATURES


- iris enhanced to match digital image
- clear and black pupils
- opaque backing
- offset pupil / iris available

## BENEFITS

- high water content
- spherical and toric designs
- prosthetic use
- large specification range
- up to 2 fitting lenses supplied at no charge

*A screen printed soft contact lens with additional manual enhancement*

## Product Specification

Material	 Filcon II 3 Contaflex
Water Content	77%
Permeability (Dk)	45 x 10 <sup>-11</sup>
Base Curve (mm)	6.60 to 10.40 (0.20 steps)
Diameter (mm)	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	
Power Range	-30.00D to +30.00D (0.25D steps) <small>Higher powers may be available</small>
Centre Thickness (mm)	@ 14.50mm -3.00 = 0.12
Cyl Powers	-6.00DC to -0.75DC (0.25DC steps)
Axis Direction	5° to 180° (5° steps)
Iris Diameters (mm)	11.50, 12.00, 12.50 13.00, 13.50
Clear / Open Pupil Diameter (mm)	2.00, 2.50, 3.00, 3.50 4.00, 4.50, 5.00, 6.00
Black / Closed Pupil Diameter (mm)	2.50, 3.00, 3.50, 4.00 4.50, 5.00, 6.00, 7.00 8.00, 9.00

## Example lens enhancements



# FITTING PROCEDURE

- Full refraction and eye examination
- Keratometry
- Select diameter required 2-3mm larger than HVID
- Select Base Curve according to corneal curvature, but with a flattening differential relative to the diameter of the lens shown below:

Lens Diameter	Order Base curve flatter than flattest K by:
12.50mm	0.30mm – 0.40mm
13.00mm	0.40mm – 0.60mm
13.50mm	0.60mm – 0.80mm
14.00mm	0.80mm – 1.00mm
14.50mm and 15.00mm	1.00mm – 1.20mm
15.50mm and above	1.40mm – 1.60mm

## Good Fit

- Comfortable
- Good centration with full coverage of limbus, even in upward gaze
- Adequate smooth movement in all directions of gaze
- Good recovery on push-up test
- Carry out over-refraction and order exchange lens if required



Primary Position



Nasal Position

## Flat Fit

- May give poor centration
- May give unstable vision
- Can cause discomfort
- Try steeper Base Curve (if available)
- Over-refraction



Primary Position



Nasal Position

## Steep Fit

- Displays inadequate or no movement
- Resists push up test with lower lid
- Can cause blanching
- Lens removal may be difficult
- Try flatter Base Curve (if available)
- Over-refraction



Primary Position



Nasal Position

When happy with the fit and vision of the lens, the lens is returned to Cantor & Nissel for enhancing. Please send a high resolution digital image (jpeg) of the eye to be matched. This should be taken with a digital camera in good light; a slit lamp camera should not be used. Images of inferior quality will be rejected and will require re-submitting.

**Recommended care system is Quattro multipurpose solution by Abatron, Hydrogen peroxide systems may be used. Other multipurpose solutions may cause tint to fade.**

**For any further technical advice please do not hesitate to call our Professional Services Team 01280 702002 Option 2**