

FOLLOW-UP VISITS

Follow-up visits should be carried out in the following time intervals:

- After 1 night
- After 1 week
- After 3 weeks
- After 2 months
- After 6 months
- After 1 year

REPLACEMENT

Annually

MAINTENANCE

Menicon recommends MeniCare Plus for daily lens cleaning, rinsing and disinfection, and weekly intensive cleaning with Progent. For further details, please see the instructions of use for these products.

PACKAGING

Every Menicon Z Night lens is packed in an aqueous solution of polyhexamethylene biguanide. Once the original lens vial is opened, the packing solution should be discarded, and the lens rinsed with fresh MeniCare Plus solution before insertion.



CE 0344 Manufactured by NKL



Menicon Limited, Gatelodge Close, Round Spinney, Northampton NN3 8RJ
T +44 (0)1604 646 216 F +44 (0)1604 790 366 E enquiries@menicon.co.uk W menicon.co.uk

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Menicon Z Night



INDICATIONS

Perfect vision in the daytime without glasses or lenses

Menicon Z Night lenses are worn at night to effectively flatten and sphericize the cornea.

Myopia is reduced after the first night with corrected stable vision within a week.

The Menicon Z Night lens is indicated in the following cases :

- Myopia \leq -4.50 D.
- With-the-rule astigmatism \leq -2.50 D.
- Against-the-rule astigmatism \leq -1.50 D.

LENS DESIGN

The Menicon Z Night is a parallel reverse geometry contact lens.

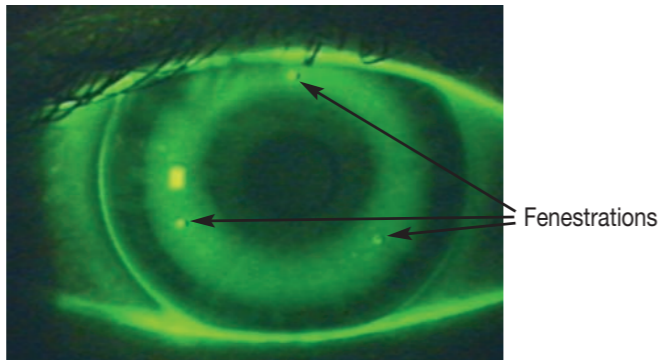
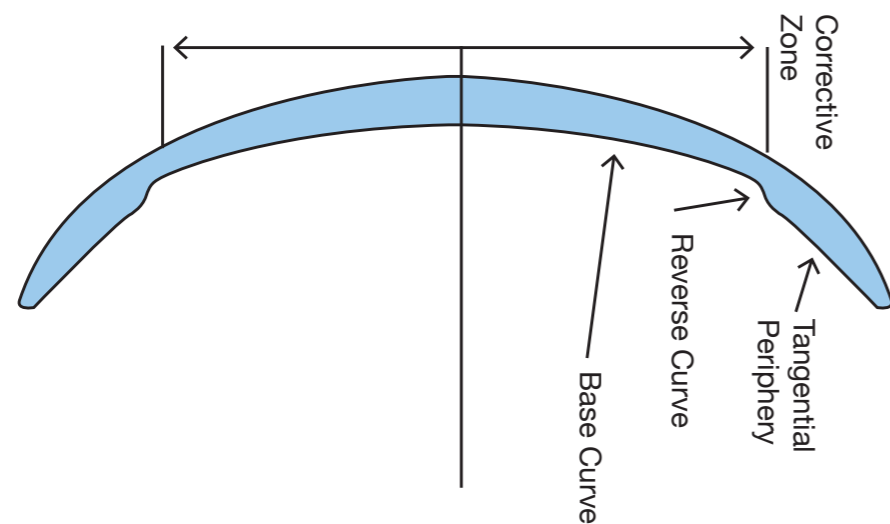
The lens consists of 3 zones:

- 1) central base curve
- 2) mid peripheral reverse curve
- 3) tangential periphery.

The base curve and the reverse curve work together to cause flattening of the cornea thus reducing the myopia.

A tear reservoir is retained within the reverse curve zone.

3 fenestrations are also present to promote optimum tear exchange.



Parameters

- Base curve: 7.20 to 9.50 mm (0.05 mm steps).
- Total Diameter: 10.20/ 10.60 (standard)/ 11.00 mm.
- Tangential angle: 46° to 63° (1° steps).
- Sagittal depth: 0.30 to 1.00 mm (0.01 mm steps).

MENICON Z MATERIAL

Material: hyper-permeable copolymer of siloxanyl styrene and fluoromethacrylate.

Oxygen permeability: 163×10^{-11} (cm²/sec) [mLO₂/(mL• mmHg)] (ISO 9913-1)
 189×10^{-11} (cm²/sec) [mLO₂/(mL• mmHg)] (revised FATT)

Surface treatment to allow optimum wettability of the lens surface.

High resistance against breakage and scratches.

Mechanical properties similar to lenses of low Dk:

- Impact strength: 32 cm,
- Drop ball test: Dk 38 : 27 cm ; Dk 70 : 20 cm ; Dk 163 : 12 cm

Menicon Z is the world's only Hyper DK GP lens material approved by the FDA for up to 30 days continuous wear.

UV filter: benzotriazol.

Color: red right lens and blue left lens.

ADVANTAGES

For patients, a safer and reversible option versus refractive surgery.

- Freedom from visual correction during the day and excellent vision to undertake all sorts of activities.
- Reduced allergy, dry eye and foreign body contact lens wear related complications.
- Safe Menicon Z night lens wear with maximum corneal oxygenation (hyper Dk Menicon Z material).
- Right and left lenses in different colours to avoid mistakes.

For fitters:

- Precise fitting system without the need for trial set, reducing chair time and enhancing the patient experience.

EASY FIT

The Menicon Z Night is fitted using a corneal topographer and the Menicon Professional Easy Fit Software. By introducing measures of ocular refraction and corneal topography, the Menicon Professional Easy Fit Software automatically assesses whether the potential patient is suitable for orthokeratology treatment; The software will automatically calculate the most adequate lens to begin the treatment.

Additionally, the software offers help in troubleshooting and improving lens fittings.

Menicon Professional Easy Fit Software can be obtained free of charge from your closest Menicon subsidiary and configured for use with any corneal topographer available on the market.

FITTING ASSESSMENT

Once the Menicon Z Night fit is completed, the wearer should sleep in the lens the following night. A contact lens follow up consultation should take place the following morning.

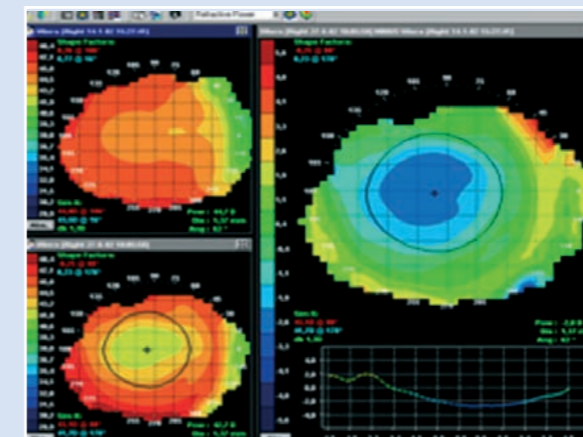
Once the lens fitting assessment has been completed, the lens should be removed and corneal topography performed to assess the corneal changes. Although the corneal topography on the morning following the first night of overnight wear will provide valuable information about the lens fit, the results after three weeks of lens wear will dictate whether the lens fit is satisfactory.



Easy Fit

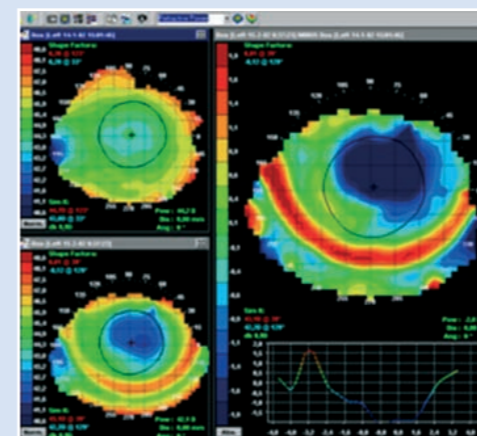


Below, using a number of images, are several sample corneal topography maps taken following the wearing of Menicon Z Night. The image on the top left shows the corneal topography before lens wear, the image on the bottom reflects the topography after lens wear, and the larger image on the right shows the corneal topography change pre-lens vs. post-lens wear.



Optimal fitting (Bulls eye)

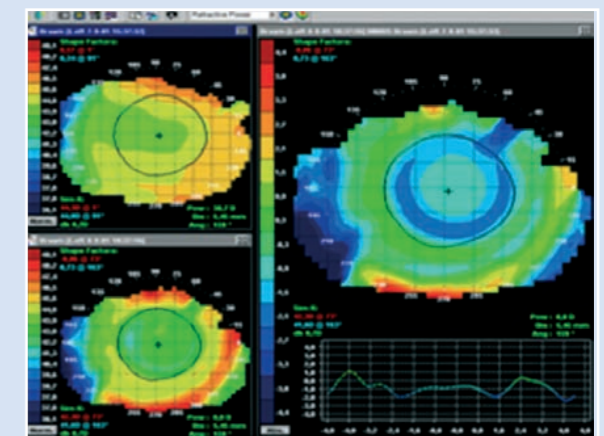
The sagittal depth and centration are correct which indicates the lens is well fitted. The Menicon Z Night shows an excellent effect flattening the cornea and reducing the myopia. The resultant visual acuity is excellent and thus the patient could be prescribed this lens.



Flat fitting (Smiley face)

The lens is decentered as a result of incorrect peripheral angle, leading to a flat fit. This fitting results in an excessive corneal flattening, which in certain cases could induce temporary irregular astigmatism.

The red semicircle shows the smiley face appearance. The Menicon Professional Easy Fit Software will calculate the new lens required.



Steep fitting (Central island)

The lens is well centred, but the sagittal depth is greater than needed, leading to a steep fit, and resulting in an inadequate corneal flattening and visual acuity. The Menicon Professional Easy Fit Software will calculate the new lens required.

In cases of unsuccessful lens fittings which require changing the lens, the Menicon Professional Easy Fit Software will process the information obtained from the lens worn, together with the corneal topography results, in order to calculate the new lens.