

Menicon Z Comfort

A novel lens design concept for extraordinary wearing comfort

Material

Material:	Menicon Z (tisilfocon A) – Siloxanylstyrene and fluoromethacrylate copolymer with UV filter
Refractive index:	1.440
Oxygen permeability:	163×10^{-11} [mmHg] (ISO 9913-1); 189×10^{-11} (Fatt)
Tint:	Ice blue
Luminous transmittance:	(380 – 780 nm) ≥ 90 %
Spectral transmittance:	(210 – 380 nm) ≤ 5 %

Design : New lens design concept

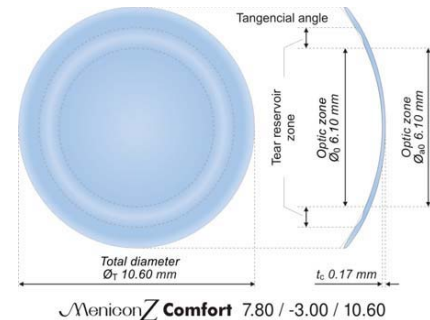
Back surface:

The central optical zone is surrounded by a uniquely manufactured tear-reservoir zone. The peripheral part of the lens aligns with the cornea which, together with the large total diameter, provides an extraordinarily high wearing comfort.

Front surface:

The optical zone diameter is dependant on the lens power to maximize outstanding wearing comfort.

The Menicon Z Comfort is also available in toric (Menicon Z **Comfort BTC**) and multifocal design (Menicon Z **Comfort Progressive**).



Parameter range

Menicon Z Comfort

Parameters	r_0 flat (mm)	Spherical power (D)	Diameter (mm)
Min/Max	6.50 to 9.20	- 25.00 to + 25.00	10.20 to 11.00
Steps	0.05	0.25	0.40

Menicon Z Comfort BTC

Parameters	r_0 flat (mm)	Back cylinder (mm)	Spherical power (D)	Diameter (mm)
Min/Max	6.50 to 9.20	6.30 to 9.00	-25.00 to +25.00	10.20 to 11.00
Steps	0.05	0.10	0.25	0.40

Menicon Z Comfort Progressive (available soon)

Parameters	r_0 flat (mm)	Spherical power (D)	Diameter (mm)	Addition (D)
Min/Max	6.50 to 9.20	- 25.00 to + 25.00	10.20 to 11.00	1.00 to 3.00
Steps	0.05	0.25	0.40	0.50

r_0 lens base curve.

Indications

- **Hyper DK RGP lens** for the correction of **myopia, hypermetropia** and/or **corneal astigmatism**
- Specially recommended for:
 - Re-fitting lens wearers
 - Patients experiencing discomfort with RGP lenses
 - Corneas with high oxygen demands
 - Juvenile lens wearers (kids and teens)
 - Lens wearers engaged in sports
- Menicon Z **Comfort Progressive** => Indicated for **presbyopia**
- Menicon Z **Comfort BTC** => Indicated for **corneal astigmatism ≥ 1.50 D**
- Recommended lens replacement: < 2 years; daily wear.

Fitting rules

K-reading difference = $K - K'$

$K - K' \leq 0.3$ mm → Menicon Z Comfort

- Lens base curve = mean $K + 0.05$ mm
- Total diameter = corneal diameter – (1.0 to 1.6 mm)

Example:

- K-readings = 7.66 @ 174° / 7.54 @ 84° => mean $K = 7.60$
- Corneal diameter = 11.90
- Spectacle refraction = -2.50 / -0.50 x 175°

Lens to order: Menicon Z **Comfort 7.65 / 10.60 / -2.50**

$K - K' > 0.3$ mm → Menicon Z Comfort BTC

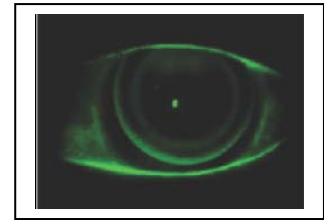
- Flattest lens base curve = Flattest corneal radius + 0.05 mm
- Steepest lens base curve = Steepest corneal radius + 0.10 mm
- Lens power = an increase or decrease in the flattest lens base curve vs. the flattest corneal radius of 0.05 mm should be accompanied by an increase or decrease of 0.25 D in the spherical component of the spectacle refraction, respectively.

Example :

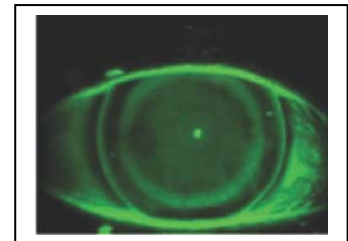
- K-readings: 8.05 @ 25° / 7.60 @ 115°
- Spectacle refraction = -2.50 / -2.75 x 180°
- Corneal diameter = 11.90

Lens to order: Menicon Z **Comfort BTC 8.10 / 7.70 / 10.60 / -2.25**

K flattest corneal radius K' steepest corneal radius r_0 lens base curve radius



The fluorescein pattern is similar to the tear reservoir of ortho-K lenses. However, the Menicon Z Comfort does not reshape the cornea.



Lens care

Packaging: Each lens is packed into a plastic vial containing PHMB preserved solution

→ Clean and rinse the lens before first insertion.

MeniCare Plus: for daily care.

Progent: once a week for intensive cleaning (protein remover) and disinfection.

CE 0336

Manufactured by NKL