

Menicon Z BTC

Menicon Z BT

Design: Toric lenses

BTC: Back Toric Compensation

BT: BiToric

Menicon Z BTC

Back surface: Back cylinder to compensate the Corneal Astigmatism and stabilise the lens.

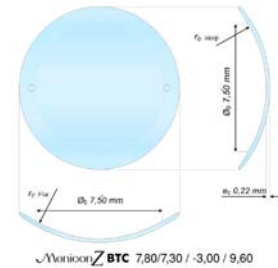
Front surface: Front cylinder to compensate the cylindrical over refraction induced by the back cylinder

Menicon Z BT

Back surface: Back cylinder to compensate the corneal astigmatism and stabilise the lens.

Front surface: Front cylinder for the correction of the Internal (IA) astigmatism.

*two dot marks on the Menicon Z BTC and Menicon Z BT lenses indicates the flattest meridian axis (not necessarily placed on the horizontal meridian).



Parameter range

Menicon Z BTC and Menicon Z BT:

Parameters*	r ₀ flat (mm)	Back cylinder (mm)	Spherical power (D)	Diameter (mm)	Front cylinder (D)	Front cylinder axis
Min / Max	7.00 to 9.00	0.20 to 1.50	-25.00 to +25.00	9.10 10.10	-0.50 to -2.00	0° to 180°
Standard	7.20 to 8.40		+5.00 to -10.00	9.60		
Steps	0.05	0.05	0.25	*	0.25	1°

*Other parameters may be available upon request.

Indications

Menicon Z BTC:

Provides total correction of Corneal Astigmatism ≥ 2.25 D and lens stability:

→ To fit when **CA ≥ 2.25 D** and **IA < 1.00 D**.

Menicon Z BT: Provides lens stability on Corneal Astigmatism ≥ 2.25 D and total correction of refractive astigmatism (Corneal Astigmatism + Internal Astigmatism):

→ To fit when **CA ≥ 2.25 D** and **IA ≥ 1.00 D**

→ After over cylindrical refraction on a **Menicon Z BTC** lens

- **Recommended lens replacement: < 2 years. Daily wear.**

Fitting rules

Menicon Z BTC and Menicon Z BT:

\varnothing_T	$K - K' < 0.20$ mm	$0.20 \text{ mm} \leq K - K' \leq 0.40$ mm	$K - K' > 0.40$ mm
9.10 9.60 10.10	-		r ₀ flat = K r ₀ steep = K' + 0.15

K = flattest corneal radius K' = steepest corneal radius

Example:

Menicon Z BTC:

Specs refraction: -5.50/-4.00 x 0° → Contact lens refraction: -5.25 / -3.25 x 0°

K readings: 7.91 @ 0°/7.31

→ Corneal Astigmatism = **-3.50 x 0°**

↳ IA = **(-0.25) x 90°**

Lens to be fitted: **BTC 7.90/7.45/9.60 -5.25**

Menicon Z BT:

Specs refraction: -5.50/-2.75 x 0° → Contact lens refraction: -5.25/-2.25 x 0°

K readings: 7.91 @ 0°/7.31

→ Corneal Astigmatism = **-3.50 x 0°**

↳ IA = **(-1.25) x 90°**

Lens to be fitted: **BT 7.90/7.45/9.60 -5.25 /-1.25x 0°**

Observations:

- Note the position of dot marks
- Note the stability of this position
- Over-refraction

Lens care

MeniCare Plus: for daily care.

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

