

ZEISS

Freedom pure

The contact lens with the ideal moisture management system



NEW
multifocal
spheric
multifocal
toric

ZEISS Contact Day 30 compatic

Biohydrogel

spheric
toric
multi spheric
multi toric

ZEISS CD 30 compatic

The contact lens with the ideal moisture management system

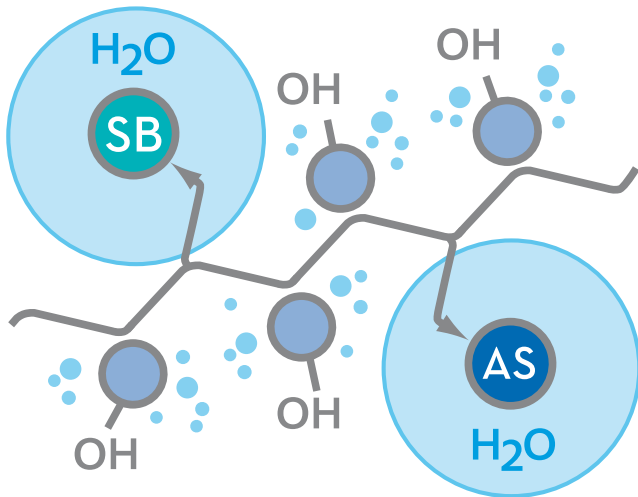


NEW
multifocal
spheric
multifocal
toric



The bio-hydrogel **ZEISS**

By observing the natural conditions in the cornea, the Wöhlk researchers hit on the idea of achieving adequate oxygen permeability in combination with maximized water retention properties, with materials which are also found in the cornea or the stroma of the human eye. With synthesized amino acids and sulfobetaine, building on a matrix of HEMA, they were able to develop a new hydrogel with the desired improved properties. The resulting Vitafilcon A material has already been available as a monthly replacement contact lens for some time now, and has proven itself not only in cases of marginal dry eyes.



Material structure

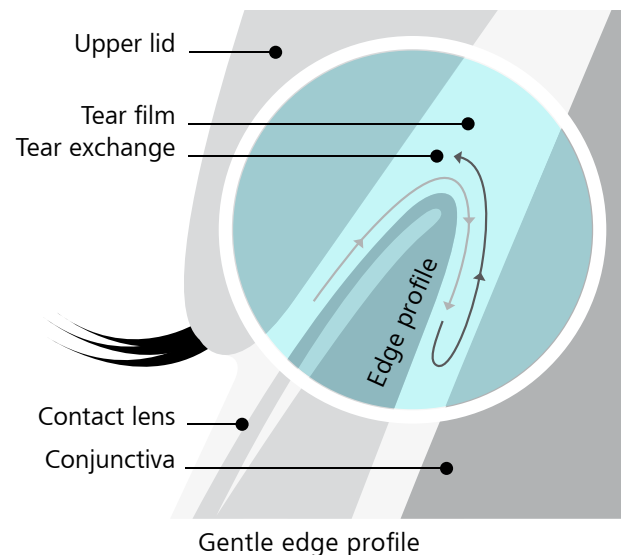
The components keratin sulphate and chondroitin sulphate effect the water retention capacity in the corneal stroma of the human eye. A constant quantity of water can be bound in the corneal stroma by the highly hydrophilic, functional groups and polarities present in these biomolecules.

The biocompatible Vitafilcon A material therefore contains the related and also synergistically effective building blocks sulfobetaine (SB) and amino acid (AS).

ZEISS CD 30 compatic

Biohydrogel

The edge profile developed by Wöhlk ensures optimal tear exchange. This edge profile means that the known disadvantages of pointed/sharp edge profiles, such as insufficient mobility and nutrient exchange as well as impressions of the edge on the conjunctiva which negatively affect corneal metabolism, are history.



ZEISS CD30 compatic

Monthly replacement lens with gentle edgeprofile from bio-hydrogel for comfortable daily wear.

Material:

Bio hydrogel (Vitafilcon A)

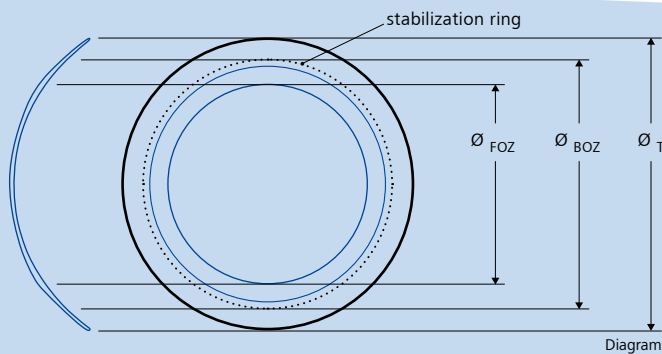
Water content: 53%

Ionicity: biionic neutral



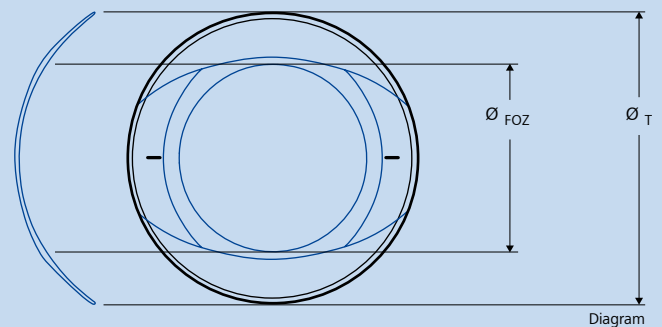
ZEISS CD30 compatic spheric

- Spherical monthly disposable lens with gentle edge profile for comfortable daytime wear
- For drier eyes
- In dry climatic conditions
- For lipid-rich tear film
- Ideal for screen-based work



ZEISS CD30 compatic toric

- Toric monthly disposable lens with gentle edge profile for comfortable daytime wear
- For drier eyes
- For lipid-rich tear film
- Ideal for screen-based work
- For stable vision with astigmatism
- With a cylinder of -2.75 D in all axial positions



Geometry

- Back surface:** ■ Two-curved spherical with two-sided rounded edge profile
- Front surface:** ■ Spherical anterior optic zone (FOZ) with lenticular lenticular transition zone to the CL edge
- Lightweight stabilisation ring in the lenticular transition area ensures optimum handling with low centre thickness

Availability

Base curve [mm]	Sphere [D] (steps)	Diameter [mm]
8.3	- 12.00 to - 8.00 (0.50)	13.60
	- 8.00 to +5.00 (0.25)	
	+5.00 to +8.00 (0.50)	
8.6	- 20.00 to - 8.00 (0.50)	14.20
	- 8.00 to +5.00 (0.25)	
	+5.00 to +10.00 (0.50)	
8.8 (+)	plan to +5.00 (0.25)	14.20
	+5.00 to +8.00 (0.50)	
8.9 (-)	- 12.00 to - 8.00 (0.50)	14.20
	- 8.00 to plan (0.25)	

Fitting recommendation

- Diameter:** Cornea diameter + 2.0 mm (Variation of ± 0.5 mm possible)
- Base curve:** Diameter 14.2 mm:
flat corneal meridian ≤ 8.0 mm → BC = 8.6 mm
flat corneal meridian > 8.0 mm → BC = 8.8 / 8.9 mm
Diameter 13.6 mm:
BC 8.3 (Variation of ± 0.3 mm possible)
[special geometry for smaller cornea or distinctive/
prominent CSP]
- Power:** BSG when vertex distance=0

Geometry

- Back surface:** ■ Two-curved back surface with two-sided rounded edge profile
- Front surface:** ■ Spherical anterior surface optical zone (FOZ) with lenticular transition area to the CL margin
- Dynamic symmetrical stabilisation (Double slab off)
 - Optical zone free from prismatic side effects
 - Low thickness profile compared with prismatic stabilisation

Availability

Base curve [mm]	Sphere [D] (steps)	Diameter [mm]
8.6	- 8.00 to - 6.00 (0.50)	14.40
	- 6.00 to +4.00 (0.25)	
	+4.00 to +6.00 (0.50)	
Cylinder [D]	- 0.75 to - 2.75 (0.50)	
Axis [°]	10 to 180 (10)	

Fitting recommendation

- Diameter:** Corneal diameter + 2.5 mm (Variation of ± 0.5 mm possible)
- Base curve:** add 0.7 mm to flat corneal meridian (Variation of ± 0.3 mm possible)
- Power:** convert both main meridians to vertex distance = 0

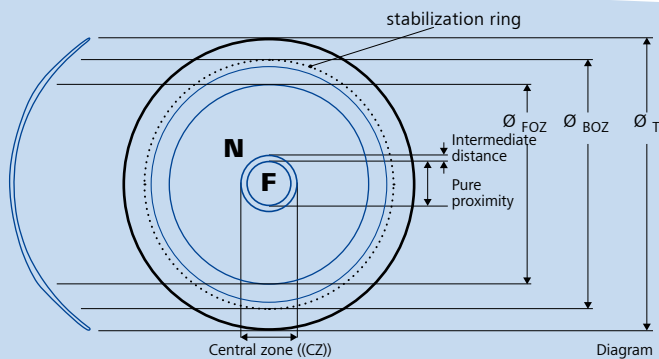
The biocompatibles modelled on nature



Available
soon

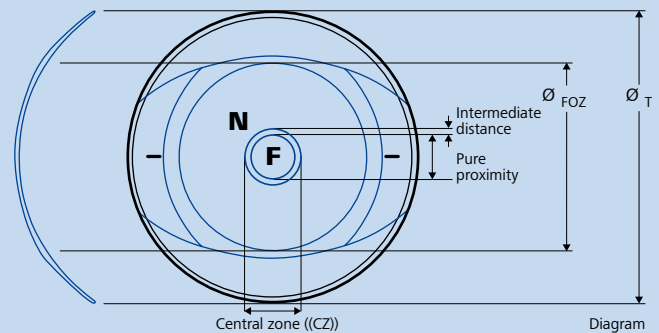
ZEISS CD30 compatic multi spheric

- Remotely centred multifocal spherical monthly lens with gentle edge profile for comfortable daytime wear
- For drier eyes
- In dry climatic conditions
- For lipid-rich tear film
- Ideal for screen-based work
- For the treatment of presbyopia



ZEISS CD30 compatic multi toric

- Remote-centred multifocal toric monthly disposable lens with gentle edge profile for comfortable daytime wear
- For drier eyes
- In dry climatic conditions
- For lipid-rich tear film
- Ideal for screen-based work
- For stable vision with presbyopia in combination with astigmatism



Geometry

- Back surface:** ■ Two-curved spherical with two-sided rounded edge profile
- Front surface:** ■ Remote centred multifocal spherical
- Spherical anterior surface optical zone (FOZ) with lenticular transition area to the CL margin
 - A lightweight stabilization ring in the lenticular transition area ensures optimal handling with a low center thickness.

Availability

Base curve [mm]	Sphere [D] (steps)	Diameter [mm]
8.6	-8.00 to +6.00 (0.25)	14.20
Addition [D]	Typ A (+1.00) / Typ B (+1.75)	

Fitting recommendation

- Diameter:** Cornea diameter + 2.0 mm
(Variation of ± 0.5 mm possible)
- Base curve:** add 0.7 mm to flat corneal meridian
(Variation of ± 0.3 mm possible)
- Power:** convert both main meridians to vertex distance = 0

Geometry

- Back surface:** ■ Two-curved back surface with two-sided rounded edge profile
- Front surface:** ■ Remote centred multifocal spherical with dynamic symmetrical stabilisation and engravings gemäß aktueller Designvariante torisch
- Spherical anterior surface optical zone (FOZ) with lenticular transition area to the CL margin
 - Dynamic symmetrical stabilisation (Double slab off)
 - Optical zone free from prismatic side effects
 - Low thickness profile compared with prismatic stabilisation

Availability

Base curve [mm]	Sphere [D] (steps)	Diameter [mm]
8.6	-5.00 to +3.00 (0.25)	14.40
Cylinder [D]	-1.00	
Axis [°]	20 / 70 / 90 / 110 / 160 / 180	
Addition [D]	Typ A (+1.00) / Typ B (+1.75)	

Fitting recommendation

- Diameter:** Cornea diameter + 2.5 mm
(Variation of ± 0.5 mm possible)
- Base curve:** add 0.7 mm to flat corneal meridian
(Variation of ± 0.3 mm possible)
- Power:** convert both main meridians to vertex distance = 0



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