ICD™

Mini scleral lens

Indications

For the protection of corneal surface pathologies and irregular corneas

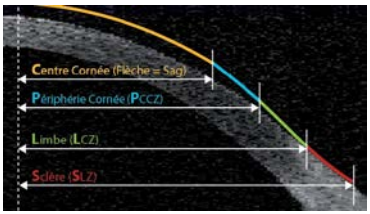
Technical information

Material	HDS 100 HDS
Dk	$145x10^{-11}$ (FATT)
E_c	0,29 mm
Geometry	Spheric and toric
Diameter $Ø_T$	16,50 mm
Power P	From - 40,00 to + 30,00 δ by 0,25 δ steps

Geometry

4 Zones

arrow : From 3,90 to 5,60 by 0,10mm steps
P_{CCZ} : 0 to + 15 by 1° steps
L_{CZ} : 0 to + 15 by 1° steps
S_{LZ} : - 15 to 0 by 1° steps



Wear and Care

Wear	Renewal every 2 years, daily wear
Care	Oté Clean (cleaning), Multifonction for rigid lenses, weekly deproteinization

Handling

Insertion

Fit the lens on the DMV Scleral plunger
Fill the ICD lens with saline solution without **preservative**

Removal

Remove the lens with the DMV plunger

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Adaptation

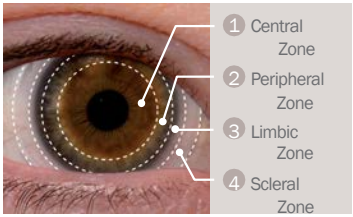
Parameters of the trial lens

Corneal elevation degree	Choice of the ICD HD trial lens
Normal keratometry Surface pathologies Post refractive surgery	4200 µm
Keratoconus Striated membrane degeneration Corneal transplants (low rise)	4500 µm
Corneal transplants (high rise)	4800 µm
Keratoglobus	5300 µm

Estimate in 4 zones

1. Centre
2. Peripheral cornea
3. Limbus
4. Scleral

No contact in zone 1, 2, 3 and no compresion in zone 4



Protocol

1st fitting

1. Make sure that there are not bubbles under the lens
2. Make sure that there is not contact in the center of the lens

After one hour of wearing

1. Complementary refraction
2. In the slit lamp, evaluate in 4 zones and prescribe

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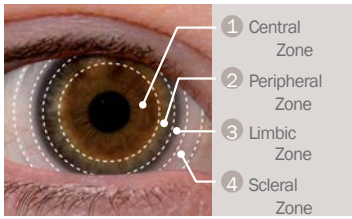
Estimate in 4 zones

1. Centre
2. Peripheral cornea
3. Limbus
4. Scleral

No contact in zone 1, 2, 3 and no compresion in zone 4



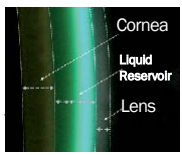
1 Estimate the central Clearance

Excessive Clearance

In blue

Then

Sectiona



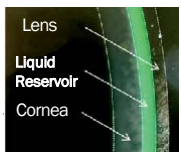
Arrow 300 µm

Optimal Clearance : no contact

In blue

Then

Sectiona



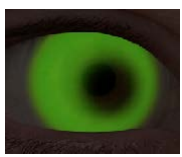
No arrow modification

Clearance Insuffisante : contact

In blue

Arrow + 300 µm

In blue



Arrow + 400 µm

Fitting software: iAdapt

To determine **ICD** and **ICD HD** lenses's parameters
use the fiiting assistance software **iAdapt**
Download it for free on www.**laboratoire-lcs**.com

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❷ Estimate the peripheral cornea in blue light



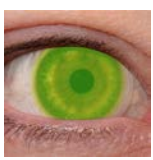
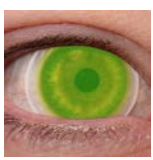
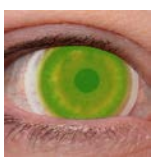
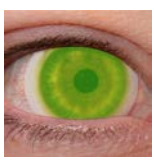

No peripheral contact No modifications	Weak peripheral contact ↗ Pcz + 2°	Moderate peripheral contact ↗ Pcz + 4°	Strong peripheral contact ↗ Pcz + 6°

❸ Estimate the limbus in blue light




No limbus contact No modifications	Weak limbus contact ↗ Lcz + 2°	Moderate limbus contact ↗ Lcz + 4°	Strong limbus Contact ↗ Lcz + 6°

❹ Estimate the sclera in white light

No vessel compression	Light vessel compression ↘ Slz - 2	Moderate vessel compression ↘ Slz - 4	Strong vessel compression ↘ Slz - 6

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