EX LENS

PRODUCTS

Comfortable lenses with a natural shape

PROGRESSIVES

GENERAL PURPOSE

	EXA One	Basic Near	Basic Far
Corridor lenght	14, 15, 16 y 18	17	17
Optimum frame size	28, 29, 30 y 32	30	29
Minimum fitting height	18 to 21	21	21
Type	Soft	Soft	Soft
Corridor selection	Fixed	Fixed	Fixed
Surface smoothing	Included	Included	Included
Position of wear	Available	Available	Available
Edge thinning	Available	Available	Available
Variable descentration	Available	Available	Available
Variable inset	No	No	No
Prism by Rx	Available	Available	Available

PROGRESSIVES

SPECIALTIES

	XS	Novo	Longo	Bono
Corridor lenght	14	17	19	20
Optimum frame size	24	30	32	35
Minimum fitting height	18	21	23	24
Type	Hard	Extra Soft	Soft	Soft
Corridor selection	Fixed	Fixed	Fixed	Fixed
Surface smoothing	Included	Included	Included	Included
Position of wear	Available	Available	Available	Available
Edge thinning	Available	Available	Available	Available
Variable descentration	Available	Available	Available	Available
Variable inset	No	No	No	No
Prism by Rx	Available	Available	Available	Available

OTHER DESIGNS

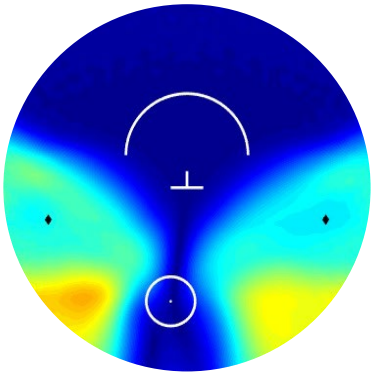
	BIFOCALS	SINGLE VISION	
	Blend	Conventional	Optimized
Corridor lenght	–	–	–
Optimum frame size	–	–	–
Minimum fitting height	–	–	–
Type	Hard	–	–
Corridor selection	–	–	–
Surface smoothing	Included	–	–
Position of wear	Available	Available	Available
Edge thinning	Available	Available	Available
Variable descentration	Available	Available	Available
Variable inset	Available	–	–
Prism by Rx	Available	Available	Available

PROGRESIVES:
GENERAL PURPOSE

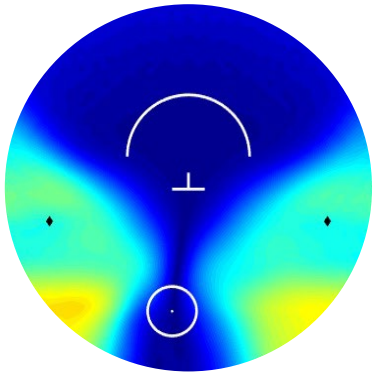
ExaOne

For daily use, with stable and balanced far and near vision areas. Wide entrance to the progression zone to facilitate visual adaptation. **Available in 4 corridor lengths for mounting on a wide range of frame sizes.**

CLARITY MAPS



ExaOne **14**



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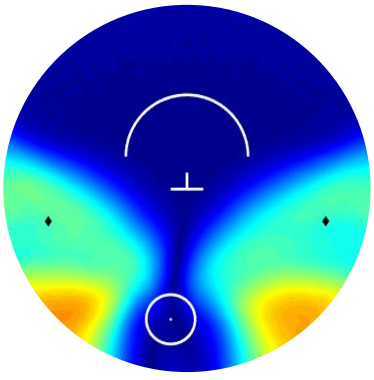

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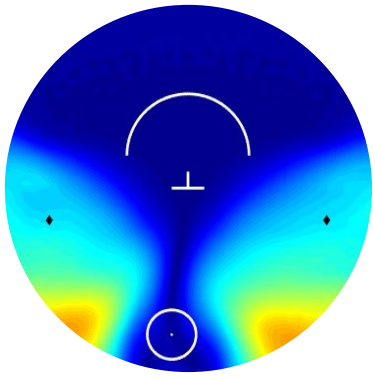


ExaOne **18**

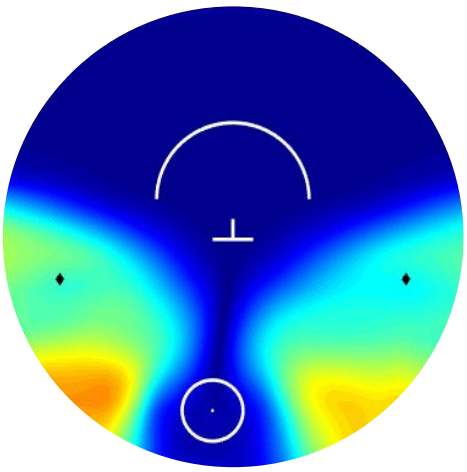
Basic Near

Multipurpose progressive with a wide far vision zone and easy adaptation, prioritizing the near vision zone to facilitate reading.

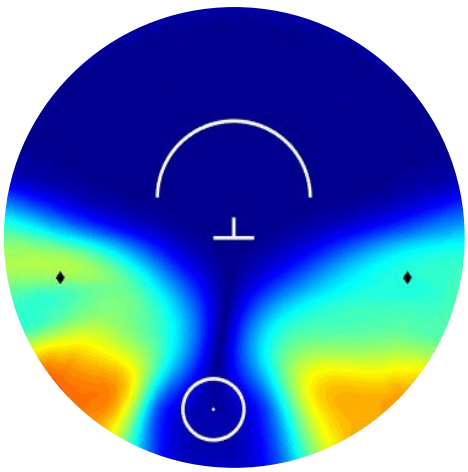
Basic Far

Multipurpose progressive design with priority in the far vision area, with a wide intermediate zone that allows an easy adaptation.

CLARITY MAPS



Basic Near



Basic Far

PROGRESSIVES: **SPECIALTIES**

Exa XS

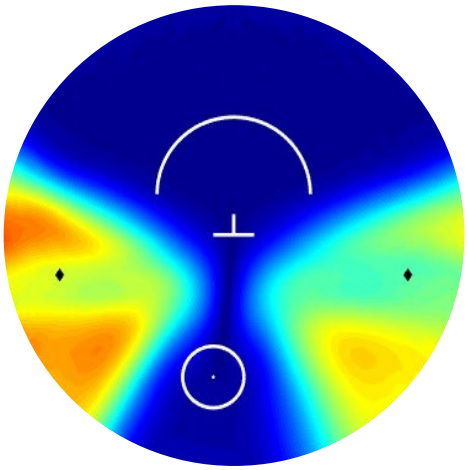
Designed for reading in small frames. It offers an extra wide zone in the near vision area, without forgeting the far vision.

Exa Novo

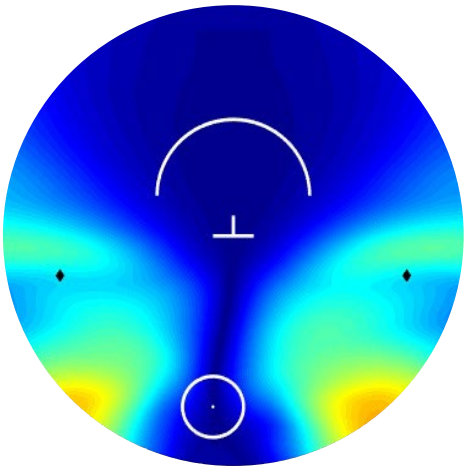
Extra-Soft Progressive design with an even wider corridor to achieve an exceptional adaptability.

Designed for the novice and demanding user.

CLARITY MAPS



ExaXS



ExaNovo

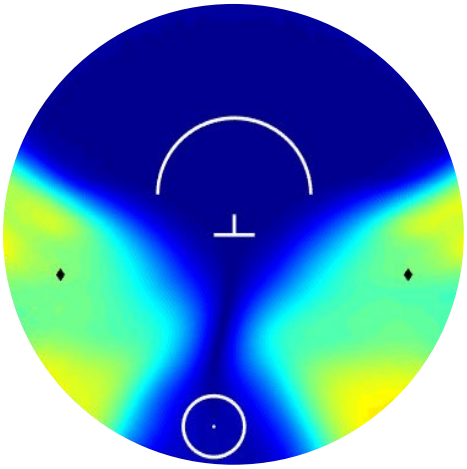
Exa Longo

With a very clean far vision area that makes it **ideal for outdoor work.**

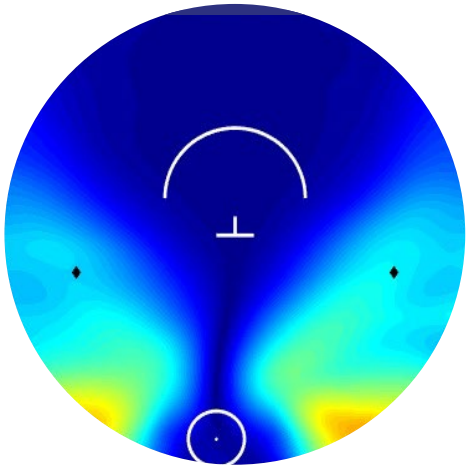
Exa Bono

Specialty Progressive that focuses in far vision area for a clear panoramic vision with an extraordinary intermediate zone. Designed for medium to large frames. **It is ideal for driving.**

CLARITY MAPS



Exa Longo

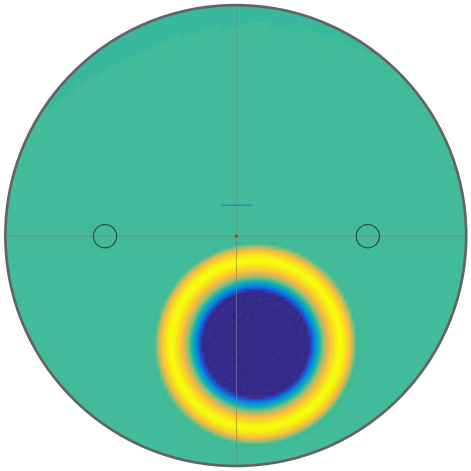


Exa Bono

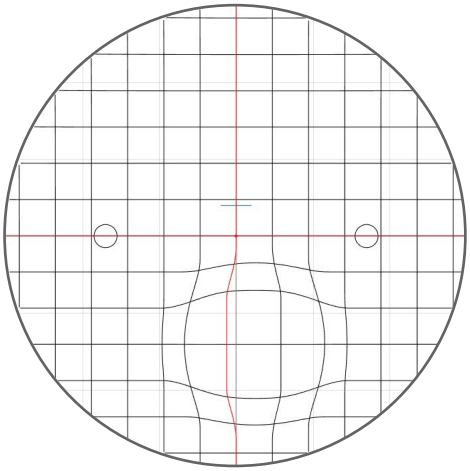
OTHER DESIGNS: **BIFOCALS**

Exa Blend

Bifocals with FreeForm technology, for people who find it difficult to adapt to progressive designs.



Exa Blend, Superficial Sphere Map



Contours Alfa-Beta

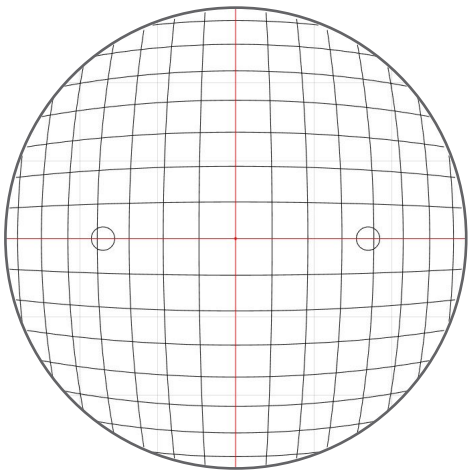
OTHER DESIGNS: **SINGLE VISION**

Conventional

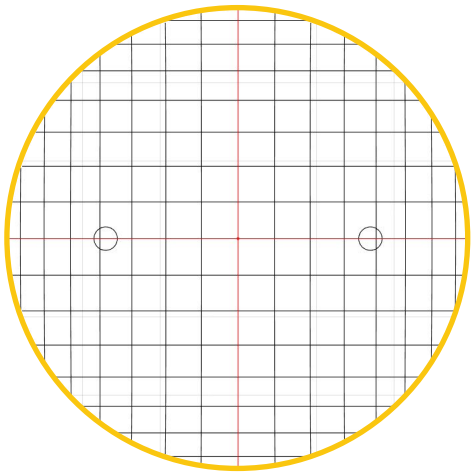
Spherical and toric designs with the precision of FreeForm technology.

Optimized

Aspherical and atoric designs that increase the optical performance of the lens, conserving the visual axes, as the case may be, across the entire surface.



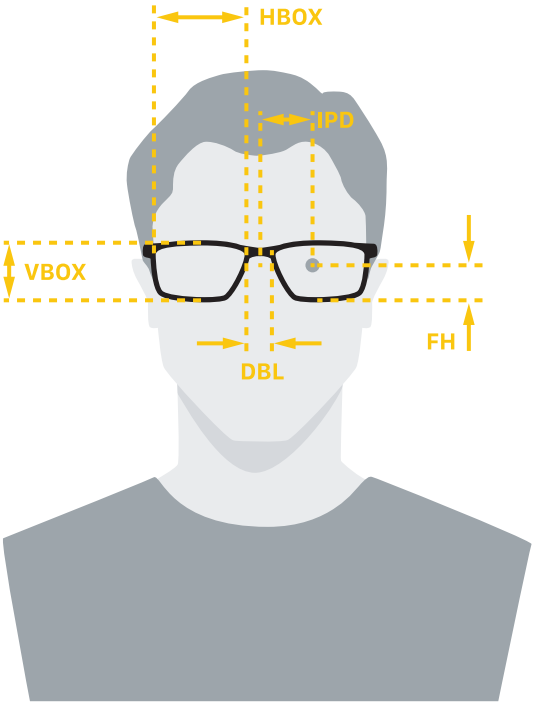
Conventional Aspheric

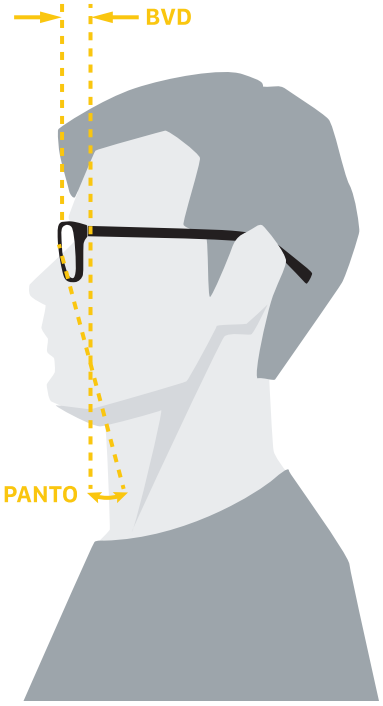


Exa Aspheric (Exa Lens)

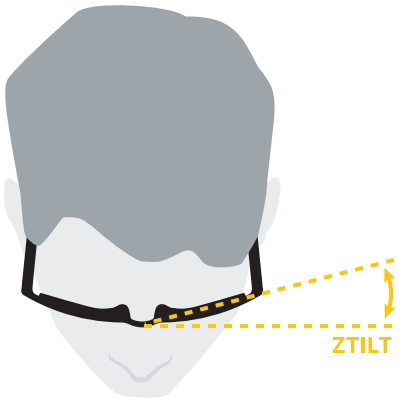
POSITION OF WEAR

It allows the adjustment of the personal variables of lens-pupil distance (back vertex distance), pantoscopic angle (pantoscopic tilt), and horizontal inclination (face bow) to match the prescription to the position of wear of the frame.



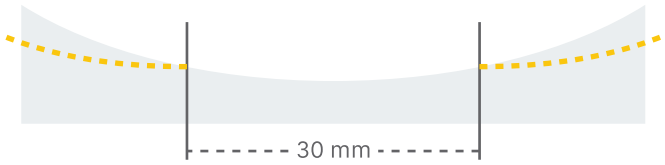


IPD: monocular pupillary distance
FH: fitting height
HBOX: horizontal lens size
DBL: distance between lenses
VBOX: vertical lens size
ZTILT: face bow
PANTO: pantoscopic tilt
BVD: back vertex distance



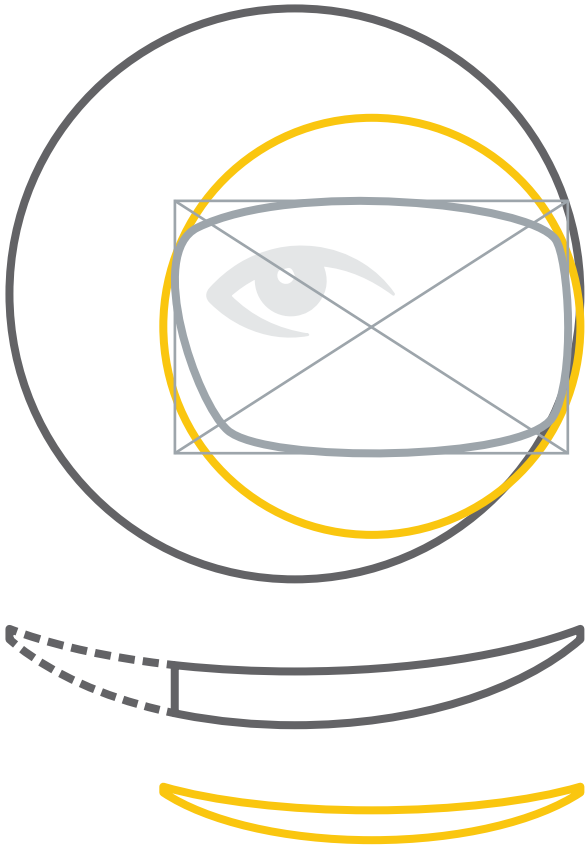
EDGE THINNING

Reduces the curvature of the lens outside the useful area of vision, allowing a smaller border thickness, achieving lighter and more aesthetic lenses.

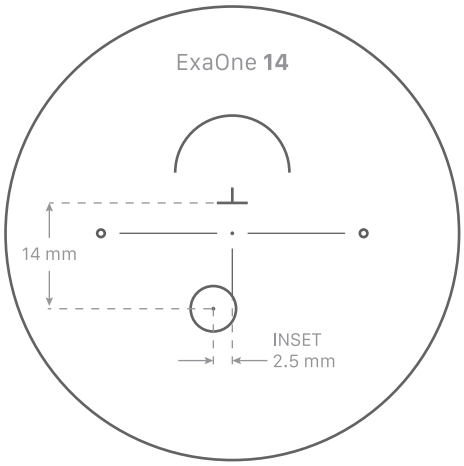


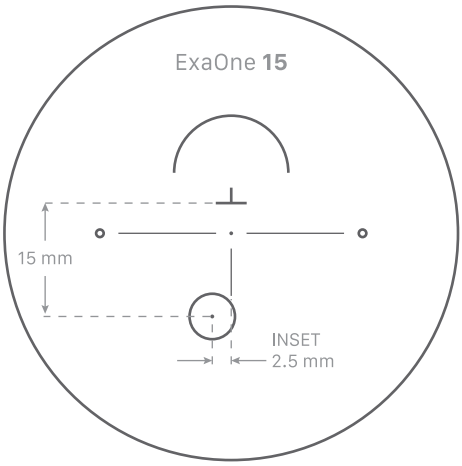
VARIABLE DE-CENTERING

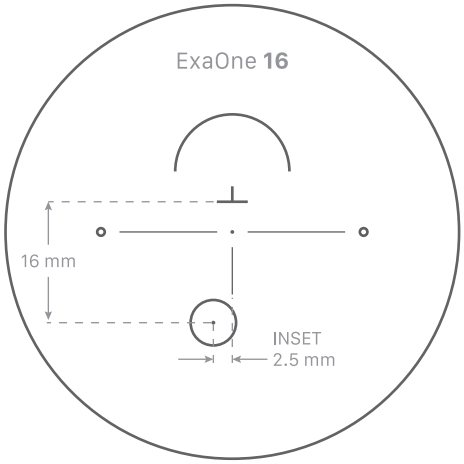
It allows the use of smaller diameter blanks and with smaller curvatures, that optimize generating and polish times which can also result in less wear of the machinery.

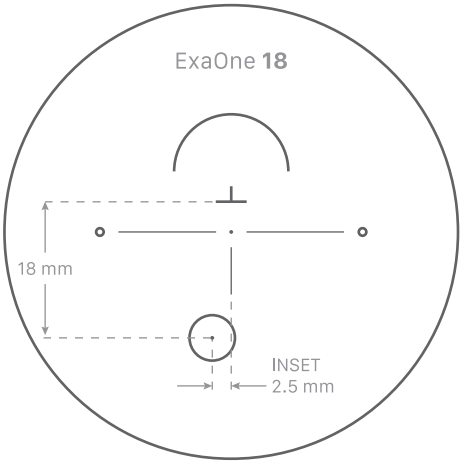


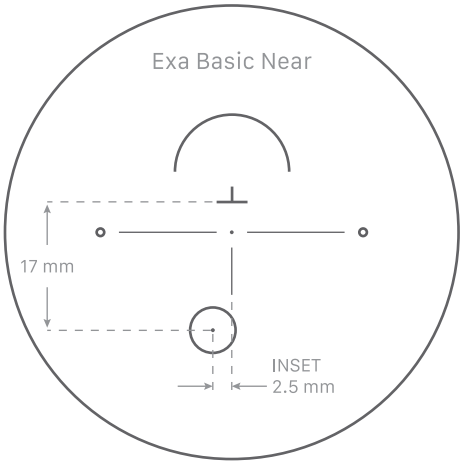
TEMPLATES


ExaOne **14**
14 mm
INSET
2.5 mm

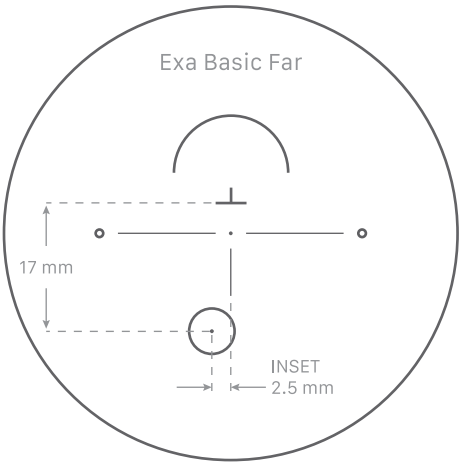

ExaOne **15**
15 mm
INSET
2.5 mm

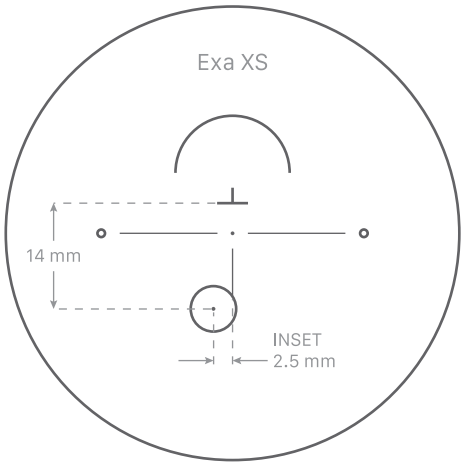

ExaOne **16**
16 mm
INSET
2.5 mm

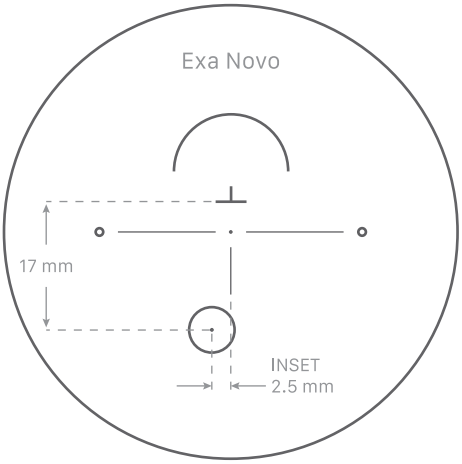

ExaOne **18**
18 mm
INSET
2.5 mm

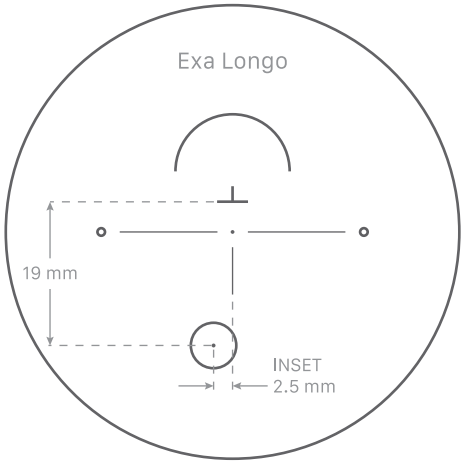

Exa Basic Near
17 mm
INSET
2.5 mm

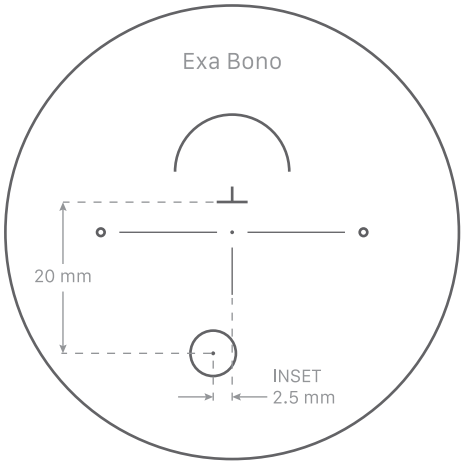
TEMPLATES


Exa Basic Far
17 mm
INSET
2.5 mm


Exa XS
14 mm
INSET
2.5 mm


Exa Novo
17 mm
INSET
2.5 mm


Exa Longo
19 mm
INSET
2.5 mm

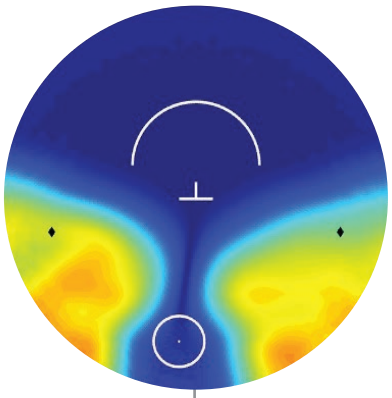

Exa Bono
20 mm
INSET
2.5 mm

CLARITY MAPS

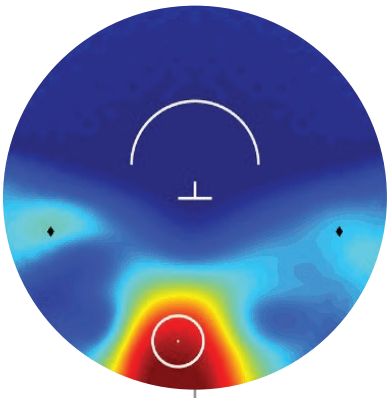
The Clarity map is the combination of the spherical power map and the astigmatism error (cylinder). It is a more direct representation of how the eye actually perceives the lens.

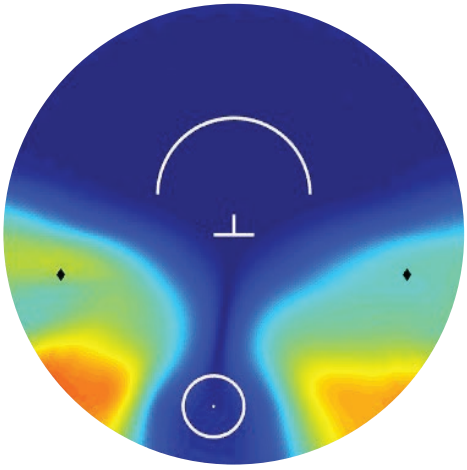
It can be said that the Clarity map is a measure of satisfaction, of how the performance of the lens manages to supply the needs of the eye throughout the field of vision.

Map: Astigmatism error



Map: Spherical power





Map: Clarity

Exa Lens is conformed by a group of optical experts in the fields of Digital Surface Design, Precision Machinery Development, and Clear Materials for the ophthalmic Lens Manufacturing Industry. Together we established a growing community of people passionate about creating a visual experience with the purpose of being the elegant and simple solution that customers love to wear.

Exalens's freeform lens designs fulfill The Vision Council standard and can be produced by any compatible digital surfacing equipment. The ExalensLab software is a cloud-based solution for a low to medium volume laboratory or an on-site server for large production volumes and high reliability. It is easy to integrate with most LMS (Laboratory Management System) Softwares.

We design ergonomic designs created with aspheric profile technology that maintains the cylinder axis aligned along the entire surface to better match the anatomy of the eye, which significantly increases the adaptability of the lens. Resulting in a comfortable lens with a "natural" shape.

LENS

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