2025

Product Catalogue

OPTICIAN AWARDS WINNER 2024

Lenses for your lifestyle

Whatever Your Prescription, Optimum RX Group Has The Clear Solution Lens Coating Anti-reflection, scratch resistant, tinting & mirrors...

Optimum RX GROUP

vanALSTYNES optical manufacturers

optimum RX Lens Specialists
The complete ophthalmic solution

2025

Address:
5 Newgate, White Lund Ind. Estate,
Morecambe LA3 3PT

Optimum Tel:
+44 (0) 1524 541540
Vanalstynes Tel:
+44 (0) 1253 508555

Fax:
+44 (0) 843 515 8288

Optimum Email:
info@optimumcoatings.co.uk
Vanalstynes Email:
enquiries@vanalstynes.co.uk

Web:
optimumcoatings.co.uk

vanALSTYNES optical manufacturers

optimum RX Lens Specialists
The complete ophthalmic solution

About Optimum Coating 4

Technologies 6

Camber™ 6

IOT Digital Ray-Path 2 6

Steady Methodology 7

Steady Plus Methodology 7

Personalisation parameters 8

Our Lenses 8

Lens Portfolio 11

optiFORM DUAL - 3 12

optiFORM ADVANCED - 3 14

optiFORM FIRST 16

optiFORM EDS 18

optiFORM ONLINE 20

optiFORM OFFICE 22

optiFORM SMART 2 24

optiFORM DRIVE 26

optiFORM SPORT 28

optiFORM SPORTHIN 30

optiFORM DIB 32

optiFORM PERPETUAL 34

optiMEYES 36

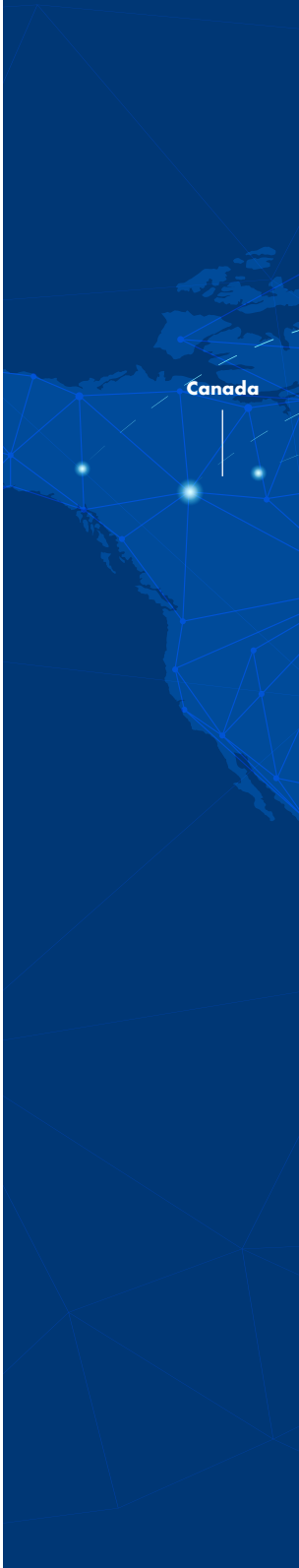
optiMYOPE+ 38

Neochromes 40

Centration Charts 42

Coatings 50

About Optimum Coating



At Optimum, our mission is to enrich lives through the lenses we create. **By investing in cutting-edge technology, we are committed to delivering high-quality products** while offering outstanding customer support and ensuring the highest standard of service.

We supply not only our own branded products but also top-tier lenses from other renowned brands, providing a convenient, all-in-one service from an independent laboratory. **Our focus on innovation and quality sets us apart as we continuously refine our manufacturing processes to offer best-in-class solutions.**

Our clients include opticians, hospitals, and laboratories, who we provide with a broad portfolio of freeform, high prescription, complex, specialty, and custom-made lenses, along with a variety of coatings to meet every patient's needs.

OPTICIAN
AWARDS
WINNER
2024

THE LENS AWARD

Celebrated for innovation and quality, Optimum RX Lens Specialists earned top honors at the 2024 Optician Awards, highlighting their exceptional lens design advancements.

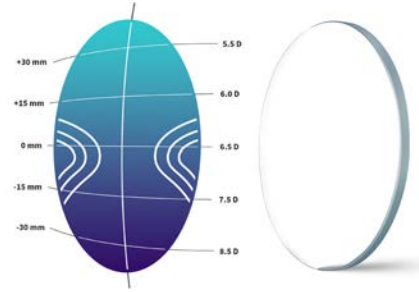
Proudly made in the UK

We pride ourselves on manufacturing high-quality prescription lenses and coatings that are made in the UK. It's a commitment to British craftsmanship that reflects our dedication to excellence and innovation in creating superior ophthalmic products. While local production supports the UK economy, it also ensures strict quality control and swift delivery times across our broad export network that spans the UK, Europe and beyond. **By choosing Optimum RX Group, customers are guaranteed lenses that meet the highest standards, produced by a passionate and professional team, deeply rooted in the heritage of British manufacturing.**

Our Technologies

camber™
With IOT Intelligence

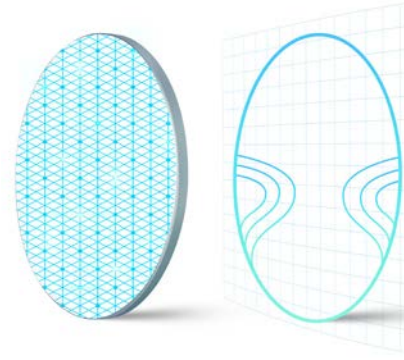
Camber™ Technology combines complex surfaces on both sides of the lens to provide excellent vision correction. The unique variable base curve on the front surface of the specially designed lens blank allows expanded reading zones and improved peripheral vision.



Camber™ is an innovative new lens technology that combines complex curves on both sides of the lens to provide excellent vision correction.

IOT Digital Ray-Path 2

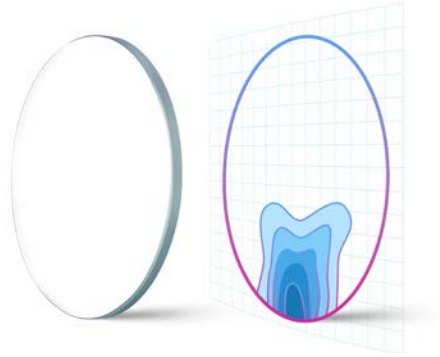
IOT Digital Ray-Path 2 harnesses the intrinsic potential of the visual system to refine the optimisation process for personalised lenses. This technology analyzes oblique aberrations at various focal distances for each direction of gaze. Minimisation of oblique aberrations is balanced throughout the accommodative object space, providing extremely clear vision and precise focus. IOT Digital Ray-Path 2 considers the accommodative object space, the volume defined by the points within the clear visual range, for each direction of gaze.



Lenses with IOT Digital Ray-Path 2 Technology offer greater comfort, impeccable visual quality, and more precise focus.

Steady Methodology

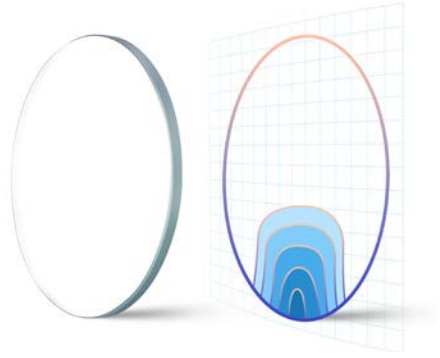
Steady Methodology has meant a great technological advance in free-form digital lenses by allowing us to have an exhaustive control of the spherical equivalent in distance, which significantly reduces the mean power error on the sides of the lens, thus improving, wearer satisfaction. A satisfaction that is increased thanks to a more comfortable, stable and natural vision by reducing swim effect and an improvement in peripheral visual acuity in distance.



Steady Methodology allows for the strict control of mean power resulting in progressive lenses with unparalleled levels of wearer satistaction.

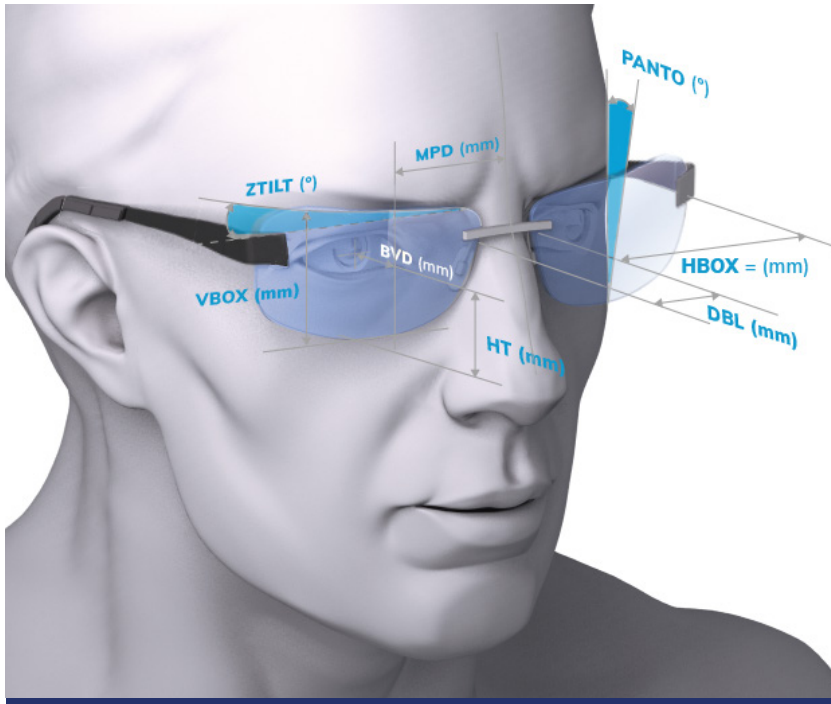
Steady Plus Methodology

Steady Plus Methodology is an evolution of the Steady Methodology that allows a more sophisticated control of the mean power distribution, improving intermediate and near vision and achieving a perfectly symmetrical and soft distribution. The Steady Plus methodology is not only characterised by achieving a substantial improvement in the wearer's binocular performance, which provides a smoother visual experience when both eyes perceive identical powers for each gaze direction, but also by significantly reducing the mean power error on the sides of the lens. In addition, they provide progressive lens wearers with a more stable and natural vision by reducing the swim effect, while improving peripheral visual acuity in distance.



Steady Plus Methodology carefully balances the mean power required for intermediate and near vision, achieving a perfectly symmetrical and smooth distribution.

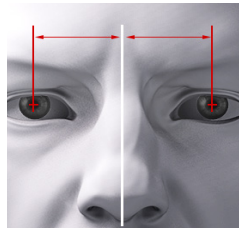
Personalization Parameters



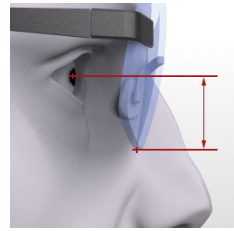
⚠ AVAILABLE FOR LENSES WITH IOT DIGITTAL RAY-PATH 2

- Personalisation parameters used for the calculation are specific for each individual patient.
- Defaults parameters can be used if the real ones are not available.
- Those parameters represent the identity of each wearer and make it possible to create unique lenses.

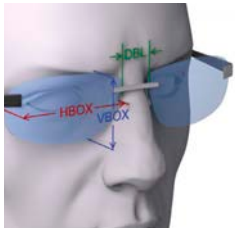
Prescription & Addition
IOT Digital Ray-Path 2 calculates the power that the wearer will truly perceive once the lenses are fitted on the frame.



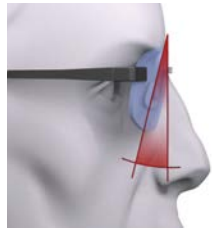
Monocular PD
Is defined as the distance from the axis of symmetry of the face to the center of the pupil.



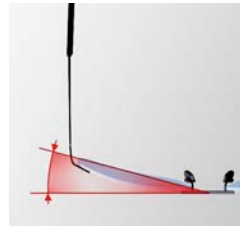
Pupilar Heights or "Minimum fitting height (MFH)"
Is the vertical distance between the pupil center and the deepest part of the lens shape.



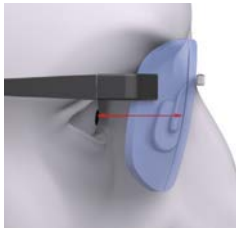
Frame Dimensions
Frame dimensions are used to calculate the final diameter, thickness of the lens and improve the efficiency of the optimisation.



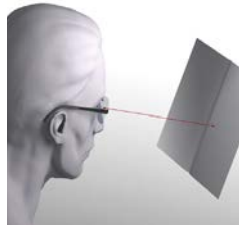
Pantoscopic Angle
This is the angle in the vertical plane between the optical axis of a spectacle lens and the visual axis of the eye in primary position.



Wrap Angle
Frame curvature.

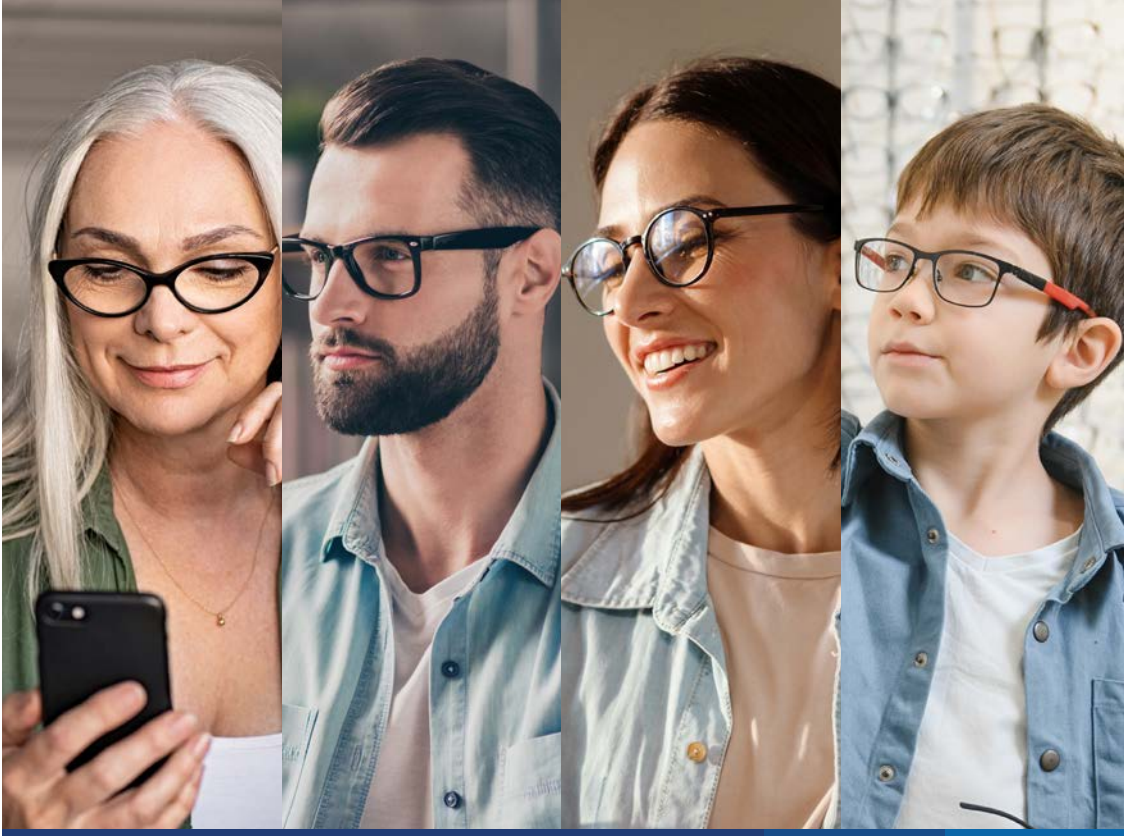


Back Vertex Distance
Distance between the cornea and the back surface of the lens.



Near Working Distance
This is the distance from the lens to the typical reading position for the wearer.

	PRODUCT NAME	TECHNOLOGY	COMPENSATED POWER	PERSONALISATION PARAMETERS	PRODUCT DESCRIPTION	MFH
PROGRESSIVE LENS	**optiFORM DUAL - 3**	Camber™ IOT Digital Ray-Path 2 Steady Plus Methodology	**yes**	**yes**	Premium personalised lenswith quality of vision and visual fields	14, 15, 16, 17 & 18 mm
	optiFORM ADVANCED - 3	IOT Digital Ray-Path 2 Steady Methodology	**yes**	**yes**	Fully personalised lens for a general use. Great visual fields for distance and near vision	14, 15, 16, 17 & 18 mm
	optiFORM FIRST	Steady Methodology	**yes**	**yes**	Extra soft progressive lens, fast adaptation and visual comfort	14, 15, 16, 17 & 18 mm
	optiFORM EDS	Steady Methodology	**no**	**no**	A non personalised lens with good visual fields	14, 15, 16, 17 & 18 mm
	optiFORM ONLINE	IOT Digital Ray-Path 2 Steady Methodology	**no**	**no**	Special product for online sale.	14, 15, 16, 17 & 18 mm
INDOOR LENS	**optiFORM OFFICE**	IOT Digital Ray-Path 2	**yes**	**yes**	An office lens with the widest near and intermediate visual fields	14 & 18 mm
	optiFORM SMART 2	IOT Digital Ray-Path 2	**yes**	**yes**	Developed for all those single vision lens wearers with symptoms of digital eyestrain	18 mm
OUTDOOR LENS	**optiFORM DRIVE inmotion**	IOT Digital Ray-Path 2	**yes**	**yes**	An appropriate progressive lens for driving	16 & 18 mm
	optiFORM SPORT	IOT Digital Ray-Path 2	**yes**	**yes**	Improving dynamic and distance vision	16 & 18 mm
	optiFORM SPORTHIN	IOT Digital Ray-Path 2	**yes**	**yes**	Thinner progressive and single vision lenses	14, 15, 16, 17, 18, 19 & 20 mm
BIFOCAL	**optiFORM DIB**	IOT Digital Ray-Path 2	**yes**	**yes**	Fully personalised and more cosmetically appealling solution that eliminates "image jump"	14 mm (DIB 32) 20 mm (DIB 40)
SV LENS	**optiFORM PERPETUAL**	IOT Digital Ray-Path 2	**yes**	**yes**	Single vision lens wearers who do not have symptoms of visual fatigue	- - -
	optiMEYES	IOT Digital Ray-Path 2	**yes**	**yes**	A fully personalised lens that improves vision in all gaze directions	- - -
	optiMYOPE	- - -	**no**	**yes**	Created specifically to manage myopia and slow down its progression in children.	- - -



Lens Portfolio

optiFORM COMPLEX

The "**optiFORM complex**" range forms part of Optimum RX Lens Specialists' broader optiFORM offering. Manufactured at the company's state-of-the-art lab in Morecambe, **the optiFORM range includes an impressive portfolio of freeform lenses.** From progressives and occupational lenses to driving, sports, single-vision, and sun solutions, the range empowers optical practices to offer **tailored options that meet the varied needs of their patients.**

optiFORM DUAL - 3

Fully personalised lens.
Perfect balance between
distance and near visual fields.

Design Details

optiFORM DUAL - 3 has been developed by applying the latest innovation in lens design methodology which utilises a strict control of the spherical power. As a result, the spherical power errors at the periphery tends to be zero, significantly reducing the lateral distortion and swim effect.

optiFORM DUAL - 3 lens provides wearers better peripheral vision giving the benefit of superior image stability, even in dynamic conditions while also enjoying maximised visual fields for all distances.

MFH (Minimum Fitting Height) → 14 mm | 15 mm | 16 mm | 17 mm | 18 mm

Advantages

- Fully personalised lens for an all purpose use.
- Expanded visual fields for all areas.
- Lateral aberration minimised for a better periferical vision.
- Swim effect minimisation.
- Better image stability, even in dynamic conditions.
- Clear vision in every gaze direction.
- Variable inset to improve binocular vision.
- Frame shape personalisation improves thickness.
- Available in different minimum fitting heights for adapting to any frame.

Target

- Ideal for all progressive lens wearers, experts or novices, looking for a premium progressive lens that offers both extended visual fields and minimal lateral distortion.

Parameters

- Vertex distance
- Near working distance
- Pantoscopic angle
- Wrapping angle
- Monocular PD
- Height above Rim
- A Measurement
- B Measurement

If personal parameters are not available, the calculation takes into account default parameters to optimise the lens.

optiFORM ADVANCED - 3

Perfect balance between distance and near visual fields.

Design Details

Calculated by IOT Digital Ray-Path 2, **optiFORM ADVANCED - 3** is a fully personalised progressive lens which improves wearers visual experienced for all gaze directions. The lens design architecture has been developed to offer patients a wide field of vision, for distance and near.

All personalisation parameters (if available) take into account the need to compensate the back surface of the lens during the lens calculation. Doing so, guarantees the best lens for each individual wearer.

MFH (Minimum Fitting Height) → 14 mm | 15 mm | 16 mm | 17 mm | 18 mm

Advantages

- Wide near and far visual zones with perfect balance between near and distance.
- Comfort and high precision together in the same lens.
- Available in five progression lengths.
- High precision and high personalisation due to IOT Digital Ray-Path 2 Technology.
- Clear vision in every gaze direction.
- Oblique astigmatism minimised.
- Variable Inset: Automatic and manual.
- Frame shape personalisation available.

Target

- Ideal for demanding customers.
- A personalised progressive lens with high balanced performance.

Parameters

- Vertex distance
- Near working distance
- Pantoscopic angle
- Wrapping angle
- Monocular PD
- Height above Rim
- A Measurement
- B Measurement

If personal parameters are not available, the calculation takes into account default parameters to optimise the lens.

optiFORM FIRST

Extra soft progressive lens, fast adaptation and visual comfort.

Design Details

optiFORM FIRST is an extra soft general purpose progressive lens design specially developed for first time progressive lens wearers.

This design offers minimum lateral astigmatism, delivering more natural vision, while at the same time preserving good visual fields for distance, intermediate and near.

optiFORM FIRST facilitates an immediate adaptation while offering outstanding vision in all distances. It's also an ideal lens for those who have had difficulty adapting to other progressive lenses.

MFH (Minimum Fitting Height) → 14 mm | 15 mm | 16 mm | 17 mm | 18 mm

Advantages

- Extra soft, personalised progressive lens.
- Greater freedom and more natural vision in lateral gaze directions.
- Good visual fields to all distances.
- Available in four progression lengths.
- High precision and high personalisation due to IOT Digital Ray-Path 2 Technology.
- Clear vision in every gaze direction.
- Oblique astigmatism minimised.
- Variable Inset: Automatic and manual.
- Frame shape personalisation available.

Target

- Ideal for first time progressive lens wearers and non-adapted patients.
- Premium all-purpose personalised progressive lens with minimum lateral astigmatism.

Parameters

- Vertex distance
- Near working distance
- Pantoscopic angle
- Wrapping angle
- Monocular PD
- Height above Rim
- A Measurement
- B Measurement

If personal parameters are not available, the calculation takes into account default parameters to optimise the lens.

optiFORM
Exact Digital Surfacing - EDS

A non-compensated lens with good balance between distance and near visual fields.

Design Details

optiFORM EDS design well balanced between far and near fields. It includes the Steady method, a method that allow us to have an exhaustive control of the spherical equivalent in distance, which significantly reduces the mean power error on the sides of the lens, thus improving, wearer satisfaction.

optiFORM EDS power distribution has been designed to make a standard lens which will provide users with a balanced design with good performance in any scenario, but with a wide field for the near area.

MFH (Minimum Fitting Height) → 14 mm | 15 mm | 16 mm | 17 mm | 18 mm

Advantages

- Well balanced lens.
- Wide near.
- Good performance for standard use.
- Available in four progression lengths.
- Variable Inset: Automatic and manual.
- Frame shape personalisation available.

Target

- Ideal for expert users who are looking for an economic solution.
- Non-compensated design for a general use with generous visual areas for near and distance.

Parameters

- Vertex distance
- Near working distance
- Pantoscopic angle
- Wrapping angle
- Monocular PD
- Height above Rim
- A Measurement
- B Measurement

NEW

optiFORM ONLINE

Special product for online sale.
Free-form progressives with
easy adaptation.

Design Details

optiFORM Online lenses deliver excellent visual performance, every time. They are made with a special extra-soft design featuring an expanded near vision zone that is very easy for patients to adapt to, and extremely comfortable to wear as an all-day, general use lens.

Fitting **optiFORM Online** lenses is very simple, even with basic parameters, making them ideal for wearers to buy online with consistently great results.

RECOMMENDED FOR ONLINE SALES

MFH (Minimum Fitting Height) → 14 mm | 15 mm | 16 mm | 17 mm | 18 mm

Advantages

- Fully personalised lens for all-purpose use.
- All-day comfort thanks to ultra-soft power distribution.
- Extended, easy-to-find visual near zone.
- Minimised lateral aberration for better peripheral vision.
- Minimised swim effect.
- Stable image, even in dynamic conditions.
- Clear vision in every gaze direction.
- Frame shape personalisation.
- Precise, comfortable focusing for all working distances.
- Superior visual quality when using digital devices.

Target

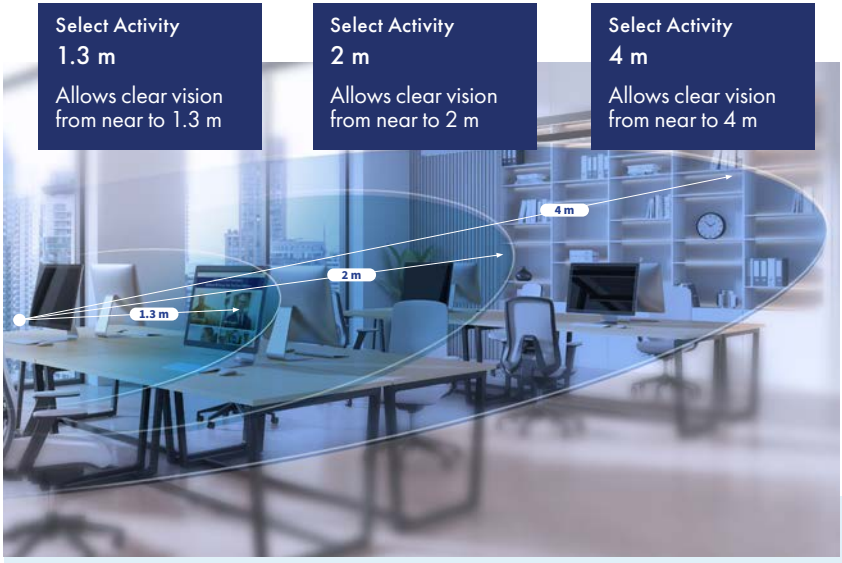
- Ideal for novice or experienced progressive lens wearers and patients purchasing their lenses online, who seek a premium progressive lens with extended visual fields and minimal peripheral blur.

Parameters

- Vertex distance
- Near working distance
- Pantoscopic angle
- Wrapping angle
- Monocular PD
- Height above Rim
- A Measurement
- B Measurement

optiFORM OFFICE

An office lens with the widest near and intermediate visual fields.



Design Details

optiFORM OFFICE is an occupational lens for intermediate and near distances that really brings visual comfort to the wearer. The step between fields is more dynamic, offering greater agility to change the focus to different distances, especially when working with digital displays.

Available in different distances making it the perfect choice for every office environment.

MFH (Minimum Fitting Height) → 14 mm | 18 mm

Caution: Not to be used whilst driving.

Advantages

- Extremely wide near vision region.
- Dynamic vision thanks to IOT Digital Ray-Path 2.
- Very soft design that eliminates swim effect and perceived lateral distortion.
- No adaptation issues.
- Clear vision from reading distance up to 4 meters.
- Many available degressions for adapting to each user's needs.
- Frame shape personalisation available.

Target

- Ideal for presbyopes who spend a lot of time working at near and intermediate working distances such as office workers, chefs, painters, musicians, etc.
- The most adapted lens for office work for intermediate and near vision.

Parameters

- Vertex distance
- Near working distance
- Pantoscopic angle
- Wrapping angle
- Monocular PD
- Height above Rim
- A Measurement
- B Measurement

optiFORM SMART - 2

The anti-fatigue lens created expressly for our current lifestyle.

Design Details

optiFORM SMART 2 is a new anti-fatigue lens that includes IOT Digital Ray-Path 2 technology, which adds the intelligent use of the wearer's own accommodation to optimise the lens for a range of focal distances. Besides, this lens was designed to alleviate symptoms of eyestrain associated with the use of electronic devices.

Likewise, **optiFORM SMART 2** provides extra comfort beyond the use of electronic devices and improves near vision with a small near power boost, resulting in a more relaxed and comfortable vision. They are perfect even for all activities throughout your daily life too.

MFH (Minimum Fitting Height) → 18 mm

Advantages

- Single vision anti-fatigue lens optimised for the use of electronic devices.
- Impeccable visual quality in any direction.
- Optimal personalisation for all working distances and focal ranges.
- Precise, agile and comfortable focus.
- Minimisation of oblique aberrations at full field of view, considering the wearer's accommodation capacity.
- Incorporates an extra near addition to improve the vision of small characters.
- 3 additions: 0.50D, 0.75D and 1.00D.

Target

- Developed for all those single vision lens wearers with symptoms of digital eyestrain.

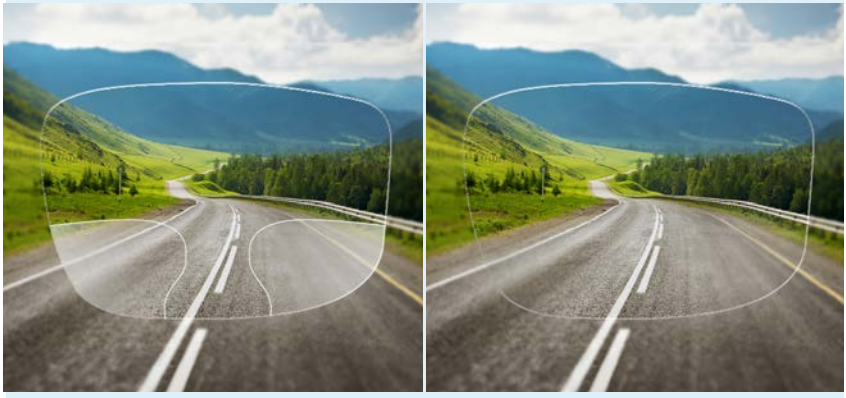
Parameters

- Vertex distance
- Near working distance
- Pantoscopic angle
- Wrapping angle
- Monocular PD
- Height above Rim
- A Measurement
- B Measurement

optiFORM DRIVE inmotion

Finally, an appropriate progressive lens for driving.

PAL **SV**



Design Details

Driving is a task that has very specific optical requirements, the position of the dashboard, external and internal mirrors and the strong distance jump between looking at the road or looking inside the car makes this scenario very particular. **optiFORM DRIVE inMotion** has been developed to adapt the lens for this specific task. Distance vision has been enhanced to provide the wearer with a perfect view of the road.

SINGLE VISION IS NOW AVAILABLE: a new single vision lens ideal for driving. **optiFORM DRIVE inMotion** completes inMotion lens family. inMotion lens family brings you the opportunity to prescribe a sophisticated and different optical solution for all your driver patients.

MFH (Minimum Fitting Height) → 16 mm | 18 mm

Advantages

- Wide clear area of binocular vision in far distance.
- Adjusted special power distribution for driving.
- Wide corridor and soft transitions for comfortable driving.
- Low values of unwanted astigmatism to improve dynamic vision.
- High precision and high personalisation due to IOT Digital Ray-Path 2 Technology.
- Clear vision in every gaze direction.
- Oblique astigmatism reduced.
- Variable Inset: Automatic and manual.
- Frame shape personalisation available.

Target

- Ideal for drivers or wearers who spend lots of time using the far visual field.
- A compensated progressive lens only for driving.

Parameters

- Vertex distance
- Near working distance
- Pantoscopic angle
- Wrapping angle
- Monocular PD
- Height above Rim
- A Measurement
- B Measurement

If personal parameters are not available, the calculation takes into account default parameters to optimise the lens.

optiFORM SPORT

Improving dynamic and distance vision.

PAL **SV**

Design Details

optiFORM SPORT has been engineered for the particular visual needs that arise in the practice of sports. The area of near vision is in line with a sport design, conceived for focusing on objects slightly away from the wearer. This will make it effective and comfortable for the perception of objects such as a clock, a sportmeters, the speedometer of a bike, a compass...

Typical frames for sports have a large size and steep base curves. **optiFORM SPORT** lenses are compensating these effects thanks to IOT Digital Ray-Path 2 Technology, and are compatible with any sport frame.

Single Vision design providing superb acuity in sport frames. The best single vision totally compensated for wrap or sport frames.

MFH (Minimum Fitting Height) → 16 mm | 18 mm

Advantages

- Wide clear area of binocular vision in far distance.
- Wide corridor provides a comfortable intermediate vision.
- Adjusted near vision for a clear view of the sports equipment (maps, compass...).
- Ergonomic position of the head and body during sports activity.
- Minimise swim effects.
- High precision and high personalisation due to IOT Digital Ray-Path 2 Technology.
- Clear vision in every gaze direction.
- Variable Inset: Automatic and manual.
- Frame shape personalisation available.

Target

- Ideal for wearer who needs a progressive lens special for outdoor activities.
- A compensated progressive lens ideal for various sporting activities.

Parameters

- Vertex distance
- Near working distance
- Pantoscopic angle
- Wrapping angle
- Monocular PD
- Height above Rim
- A Measurement
- B Measurement

If personal parameters are not available, the calculation takes into account default parameters to optimise the lens.

optiFORM SPORTHIN

Improving dynamic and distance vision.

SPORTHIN PAL

SPORTHIN SV

Design Details

Wearers may be limited in their sport frame choice, sport frames require large lenses and have high wrapping angles both of which result in a thicker lens than with regular frames, which is not aesthetically pleasing... **optiFORM Sporthin PAL and SV** are especially engineered for outdoor activities. This design offers a wide distance visual field, a long corridor that reduces the swim effect, and an acceptable near visual field for checking mobile phones or reading a map while walking, playing golf, biking, etc.

The **optiFORM Sporthin** family has two unique benefits:

- ✓ Reduces lens thickness up to 34% by using a unique lenticular effect that maximises the angle of clear vision without significantly increasing lens thickness.
- ✓ Enlargement of the power range for sport frames, allowing labs to offer high minus or plus prescriptions with curved sport frames.

MFH (Minimum Fitting Height) → 14 mm | 15 mm | 16 mm | 17 mm | 18 mm | 19 mm | 20 mm

Advantages

- Up to a 34% thinner lenses.
- Wide corridor provides a comfortable intermediate vision.
- Adjusted near vision for a clear view of the sports equipment (maps, compass...).
- Ergonomic position of the head and body during sports activity.
- Minimise swim effects.
- High precision and high personalisation due to IOT Digital Ray-Path 2 Technology.
- Clear vision in every gaze direction.
- Compatible with any base curve and material.
- Frame shape personalisation available.

Target

- Ideal for those who want to wear sport frames for biking, running, golfing...but are limited due to high prescriptions.

Parameters

- Vertex distance
- Near working distance
- Pantoscopic angle
- Wrapping angle
- Monocular PD
- Height above Rim
- A Measurement
- B Measurement

Pre-configuration SV option

- Vertex distance: 14 mm
- Pantoscopic angle: 8º
- Wrapping angle: 15º

If personal parameters are not available, the calculation takes into account default parameters to optimise the lens.

optiFORM
Digital Invisible Bifocal - DIB

Revolutionary full back side free form round-seg bifocal.

DIB 32 mm

DIB 40 mm

Design Details

optiFORM DIB is a compensated design made to focus with two different viewing areas. The top of the lens is for distance vision and the curved segment at the bottom is for reading. It offers wide fields of clear vision for both distances. Because there is no power progression a sudden 'jump' between the two optical zones will be noticed.

There are no lateral lobes of unwanted astigmatism because of not having a power progression; this provides wearers with comfortable vision and no distortion or swim effect. The diameter of the add segment is available in 32 mm and 40 mm with a transition area of 2.5 mm. The distance between the pupil and the segment is 3 mm.

MFH (Minimum Fitting Height) → 14 mm (DIB 32) | 20 mm (DIB 40)

Advantages

- High quality for distance and near vision.
- Wide distance and near visual fields.
- Clear vision in every gaze direction, no oblique astigmatism.
- Frame shape personalisation available.

Segment diameters

- 32 mm
- 40 mm

Target

- Ideal for wearers who are looking for a digital free-form bifocal.
- Personalised free-form bifocal lens with clarity in the distance and near zone.

Parameters

- Vertex distance
- Near working distance
- Pantoscopic angle
- Wrapping angle
- Monocular PD
- Height above Rim
- A Measurement
- B Measurement

If personal parameters are not available, the calculation takes into account default parameters to optimise the lens.

optiFORM PERPETUAL

The perfect lens to carry out our day-to-day activities without limits.

Design Details

optiFORM Perpetual is a new single vision lens. It includes IOT Digital Ray-Path 2, which adds the intelligent use of the wearer's own accommodation to optimize the lens for a range of focal distances. This lens has been developed for all those single vision lens wearers who do not have symptoms of visual fatigue and, at the same time, are looking for a state-of-the-art solution that allows them to carry out their day-to-day activities as normal.

Furthermore, **optiFORM Perpetual** offers impeccable vision while reading on digital devices, without sacrificing enviable aesthetics, thus achieving more relaxed vision.

Advantages

- Single vision lens personalised for any distance.
- Impeccable visual quality in any gaze direction.
- Precise, agile and comfortable focus.
- Minimisation of full-field oblique aberrations considering the accommodative capacity of the wearer.
- Optimal personalisation for all working distances and focus ranges.
- Thinner than a traditional lens for any prescription and frame shape.

Target

- Single vision lens wearers who do not have symptoms of visual fatigue and, at the same time, are looking for a state-of-the-art everyday lens.

Parameters

- Vertex distance
- Near working distance
- Pantoscopic angle
- Wrapping angle
- Monocular PD
- Height above Rim
- A Measurement
- B Measurement

optiMEYES

Personalised free-form single vision lens that, thanks to its state-of-the-art design, offer unparalleled visual quality.

Design Details

The ideal lens to enjoy day to day, without limitations. **optiMEYES** lenses were designed for modern lifestyles. The visual quality, clarity and comfort of these premium single vision lenses are impeccable which, alongside advanced freeform technologies, makes this lens the perfect choice for active people.

Wearer gets a completely personalised lens that eliminates oblique aberrations. The result is a lens with excellent clarity and comfort regardless of the prescription or type of frame chosen.

Advantages

- Total personalisation.
- Maximum optical quality for any prescription.
- Compatible with any material and base curve.
- Thinner and lighter lenses.
- High precision and high personalisation due to IOT Digital Ray-Path 2 Technology.
- Clear vision in every gaze direction.
- Oblique astigmatism reduced.
- Possibility to input the frame shape for accurate calculation.
- Frame shape personalisation available.

Target

- Ideal for everyone who need single vision correction. Specially beneficial for high minus and plus prescriptions or large astigmatic correction.

Parameters

- Vertex distance
- Near working distance
- Pantoscopic angle
- Wrapping angle
- Monocular PD

If personal parameters are not available, the calculation takes into account default parameters to optimise the lens.

optiMYOPE +

The perfect solution to ultimately slow down the progression of myopia in children.

Design Details

optiMYOPE+ is the evolution of optiMYOPE, an innovative and cutting-edge optical solution for managing childhood myopia as any other.

Backed by extensive research, optiMYOPE+ is not only extremely effective in slowing down the rate of increase in myopia; it also combats ocular elongation thanks to its unique and groundbreaking technology, which adapts to the nasal and temporal asymmetry of the retina.

97%

of the children satisfied with the performance of optiMYOPE+ lens for distance, intermediate and near vision

95%

of the children consider that optiMYOPE+ lens provides excellent comfort

100%

of the children consider that optiMYOPE+ lens provides good sharpness

Advantages

- Slower progression of childhood myopia: reduces the growth of eye elongation
- Perfect vision in the clear vision area
- Enhanced comfort: similar to a regular SV lens
- Superior aesthetics: treatment is undetectable on the lens surface, with no visible marks or lines

Target

- Children with a refractive error of -0.50D to -1.00D
- Kids with a minimum age of 6 years

Parameters

- Thanks to free-form technology, it can be manufactured with any desired material, eliminating the need for special semi-finished products.

Parameters

- The efficacy of optiMYOPE+ has been evaluated in the first randomized, double-blind study carried out specifically in a European population. Children aged 6-14 took part, with treatment continuing for one year.

  The study yielded remarkable preliminary results. Ocular elongation, measured by axial length increase, was an astonishing 39% lower after 12 months in wearers of this lens compared to a standard single vision lens.

  It also obtained high satisfaction rates for variables like near, distance and intermediate vision performance, comfort and sharpness, providing children with a really comfortable and safe visual experience.

PHOTOCHROMIC LENS

WHAT IS/ NEOCHROMES?

Neochromes is a line of state-of-the-art photochromic lenses offering wearers optimal vision and maximum comfort in any light, without needing to change glasses.

Neochromes lenses adapt instantly to changes of light, darkening in seconds and returning to clear again in record time.

They provide optimal eye protection against harmful UV and UVB rays, as well as reducing eye fatigue for maximum comfort.

ADVANCED TECHNOLOGY IN PHOTOCHROMIC LENSES. TAKE THE LEAP TO **NEOCHROMES**

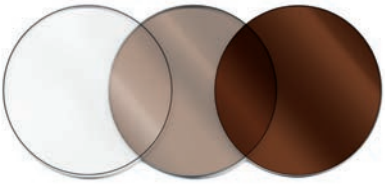
HOW DO/ THEY WORK?

↗ **What do they look like indoors?**
Crystal clear.

↗ **How quickly do they darken?**
In just seconds.

↗ **How long do they take to fade back indoors?**
At standard room temperature, they fade back in just a few minutes.

DARK
IN SECONDS →



← **FADE BACK** IN JUST A FEW MINUTES

BENEFITS/

Greater comfort than standard clear lenses in changing light conditions.

Daily protection against harmful UV light, by blocking 100% of **UVA and UVB rays.**

Blue light filter to **guard against** high energy visible light.

Fast adaptation to changes of light in any environment.

NEO**CHROMES**/ **PROTECTION** FROM HARMFUL **UV** & **BLUE LIGHT** →

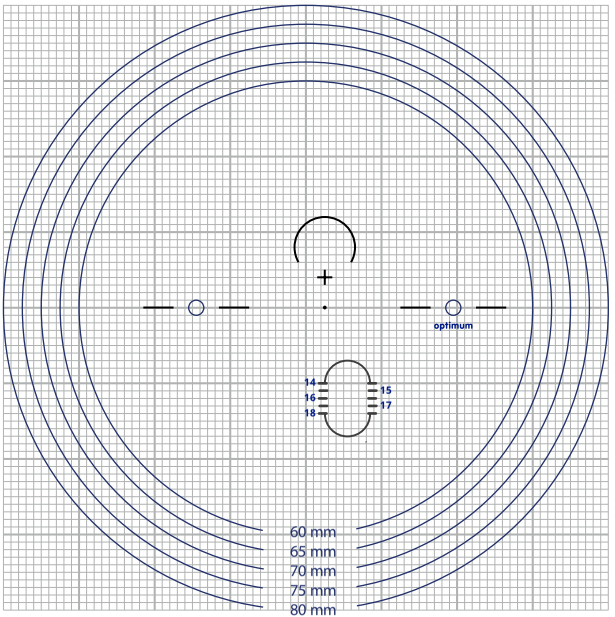
Neochromes lenses help wearers care for their eyes by **blocking 100% of damaging UVA and UVB rays.**

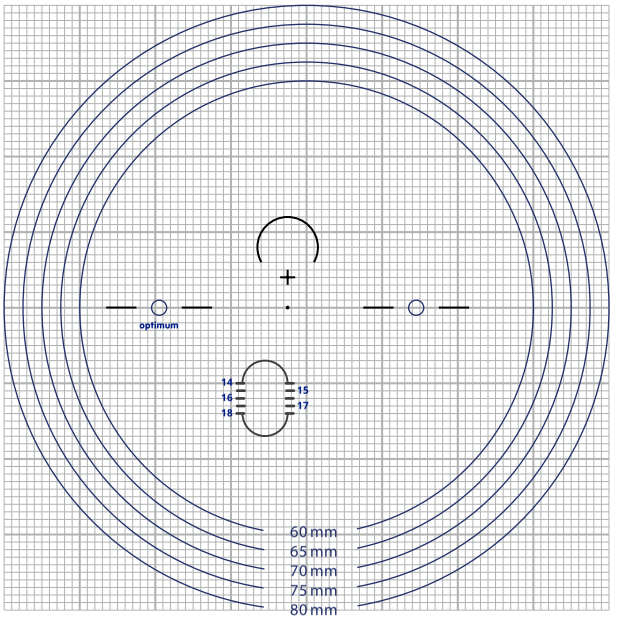
They **also filter blue light,** especially when activated outdoors.

Centration Charts

Minimum fitting height 14, 15, 16, 17 & 18 mm

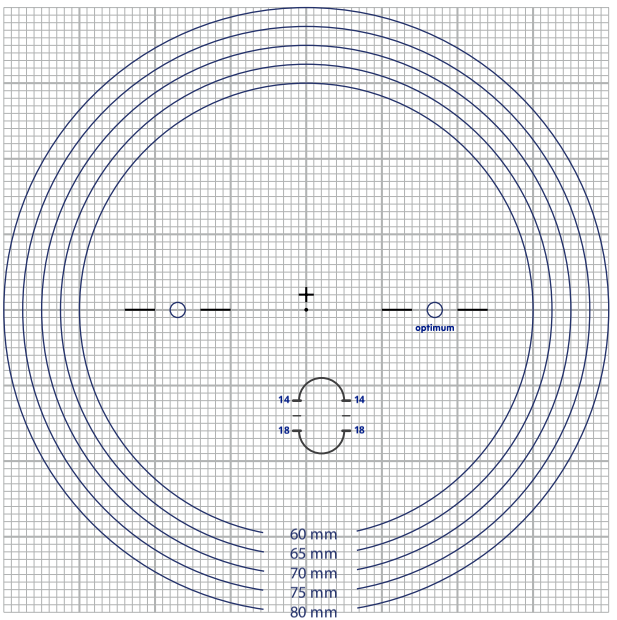
optiFORM DUAL - 3 | optiFORM ADVANCED - 3 | optiFORM FIRST | optiFORM EDS | optiFORM ONLINE

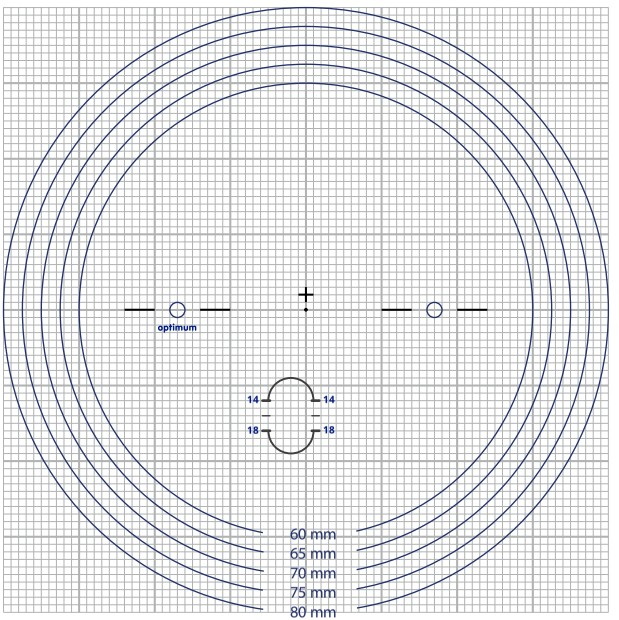




Minimum fitting height 14 & 18 mm

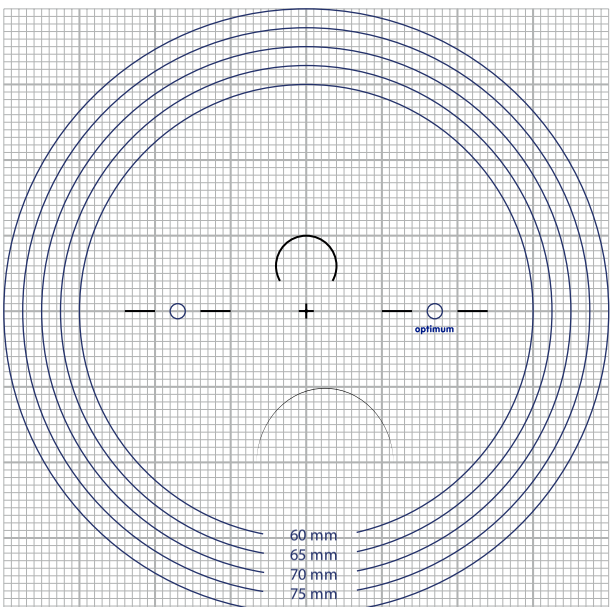
optiFORM OFFICE

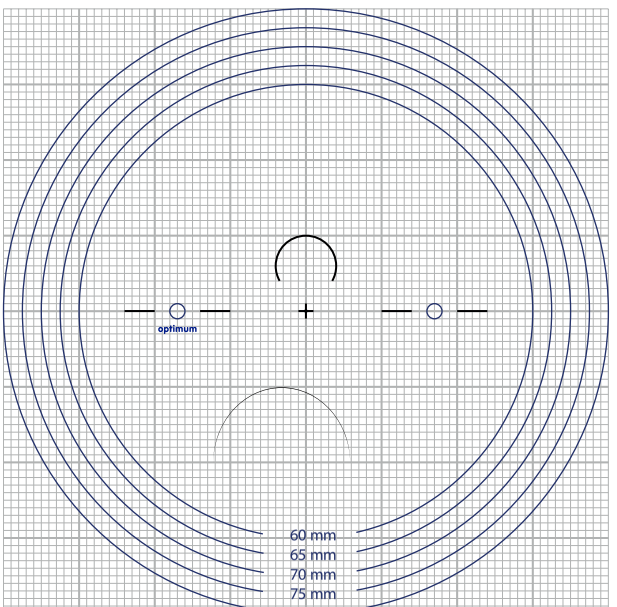




Minimum fitting height 18 mm

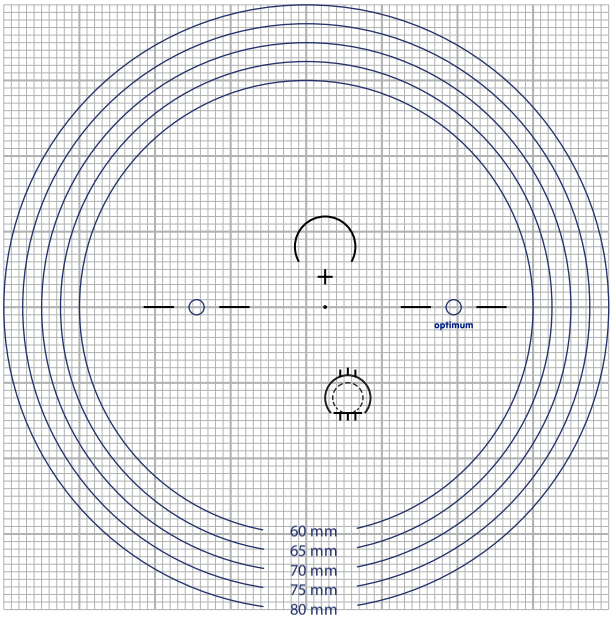
optiFORM SMART 2

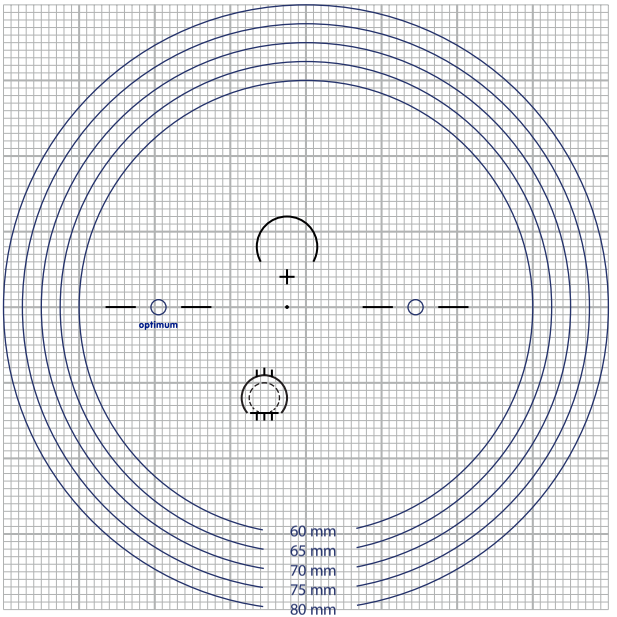




Minimum fitting height **16 & 18 mm**

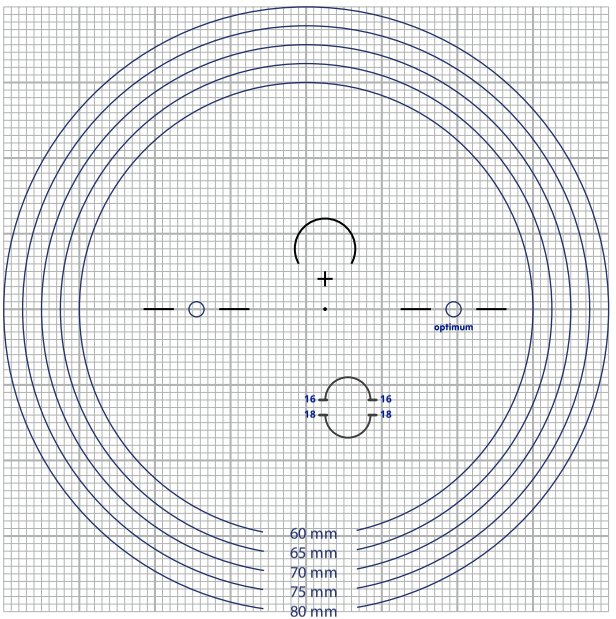
optiFORM DRIVE inmotion

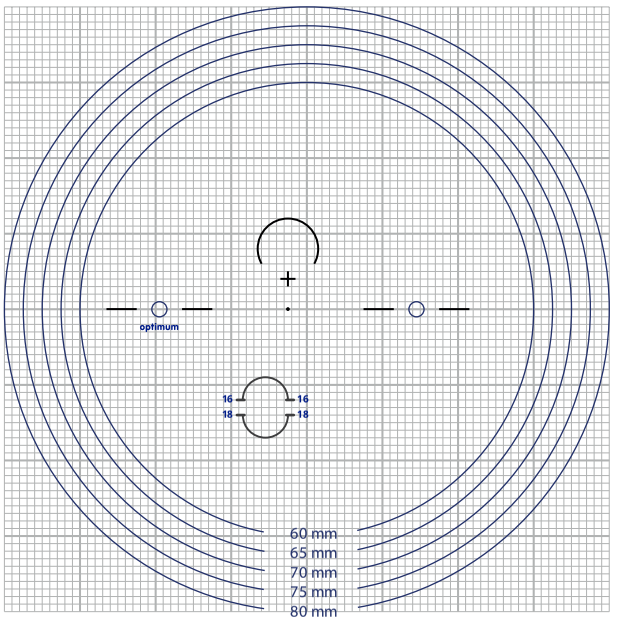




Minimum fitting height 16 & 18 mm

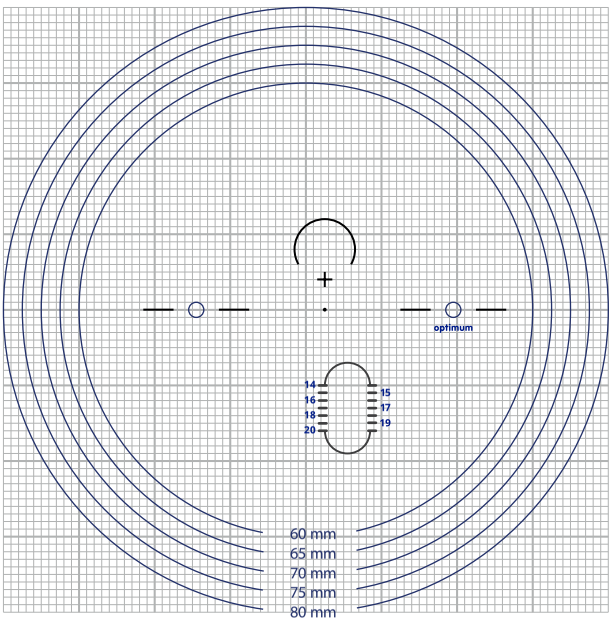
optiFORM SPORT

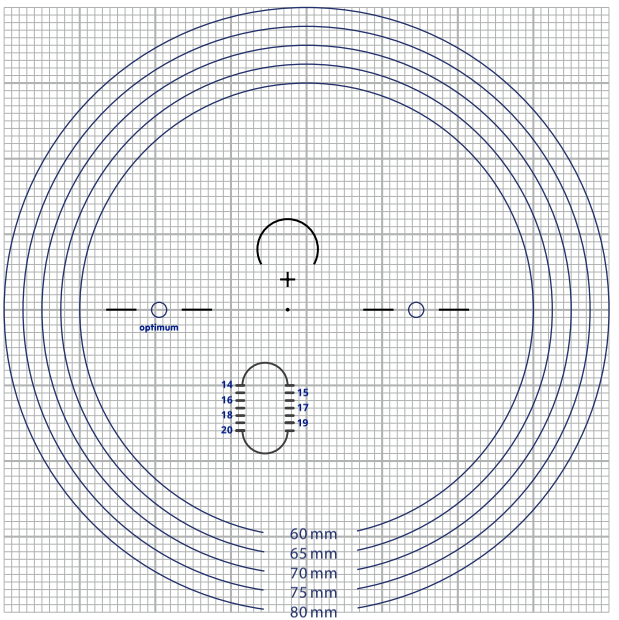




Minimum fitting height **18 mm**

optiFORM SPORTHIN

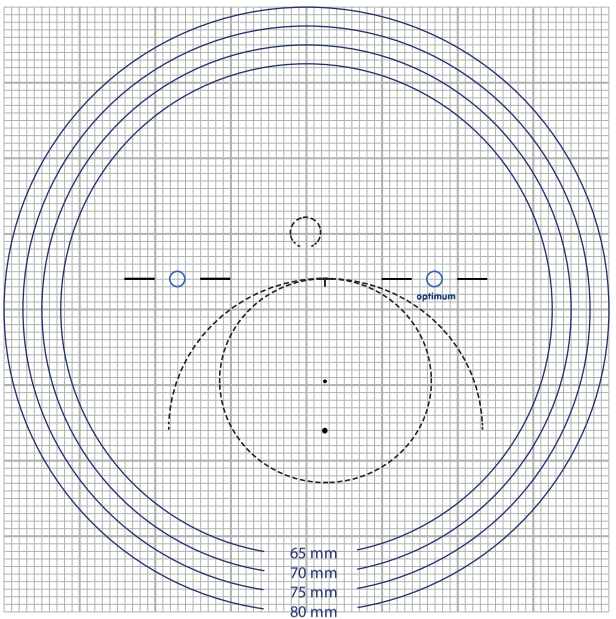


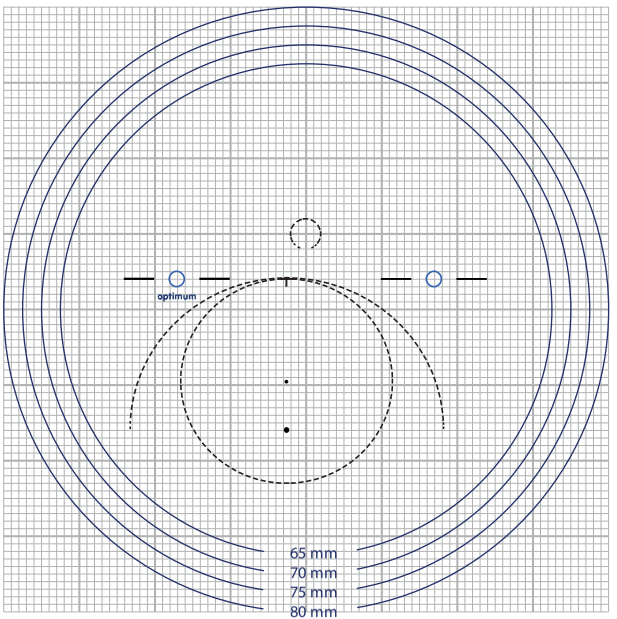


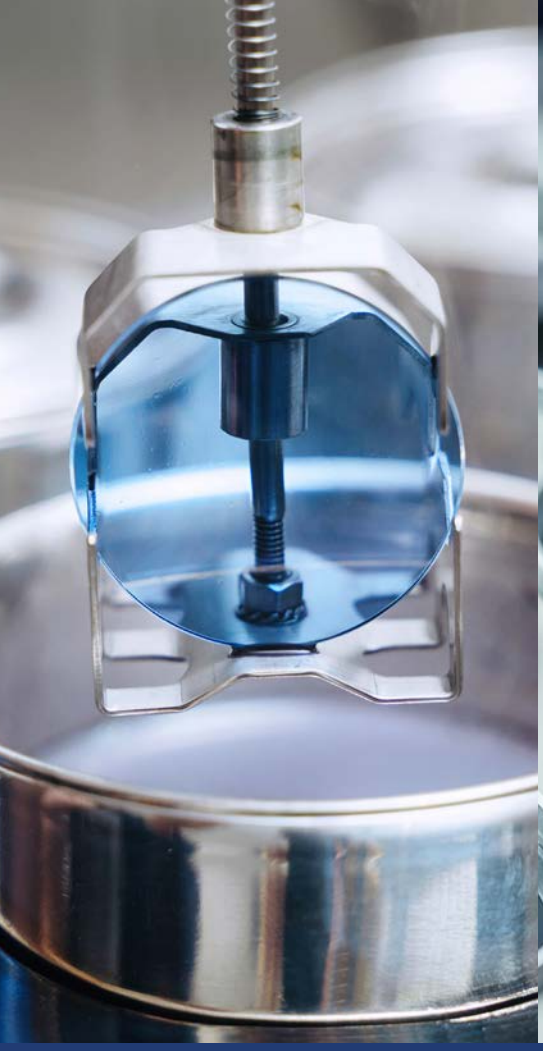
Minimum fitting height 14 mm

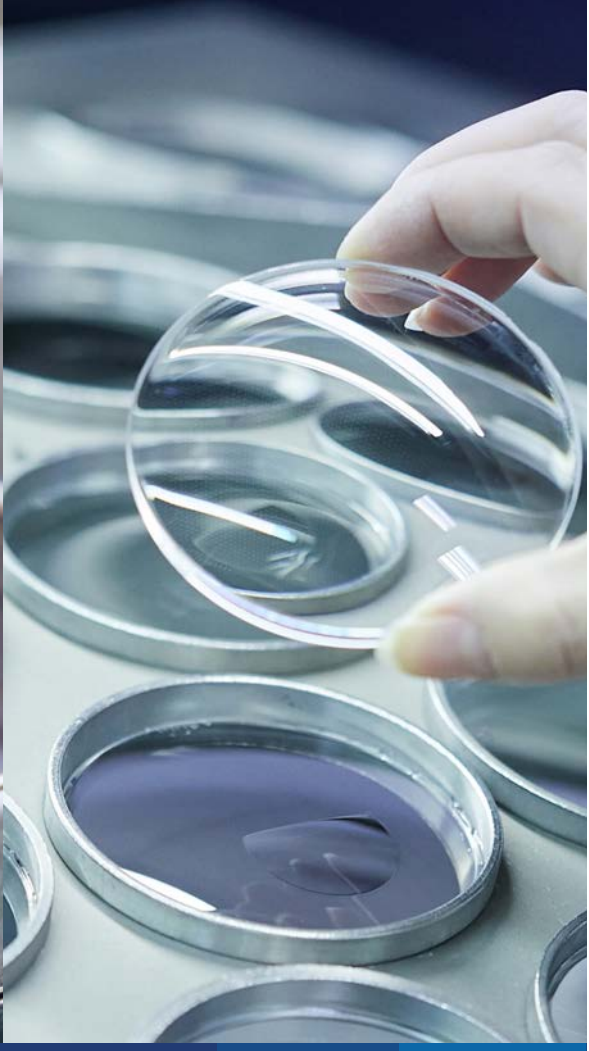
32 mm & 40 mm

optiFORM DIB









Coatings

optiHARD

Our standard scratch resistant coating designed to give superior scratch resistance over uncoated lenses.

optiMAR

A multi-layer anti-reflective coating with hydrophobic topcoat applied over our hard coat to give excellent visual performance and durability.

optiCLEAR

Premium anti-reflective coating combines the benefits of optiMAR, with the addition of ultra-smooth oleophobic properties. Electrostatic charges are eliminated by a conductive layer within the MAR coating. This minimises the attraction of dust particles. The advanced combination of coating layers gives a scratch resistance which is more than double that of our standard MAR and rivals the best premium coatings in the market.

optiBLUE

Specifically designed to give added comfort and protection to users of digital devices such as smartphones, tablets, and laptops. By filtering out blue light from selected wavelengths optiBLUE can give enhanced comfort and protection to the wearer when using digital devices. optiBLUE has excellent anti-reflection properties to help give all round clear sharp vision plus the hydrophobic and scratch resistance properties of our proven optiMAR coating.

optiGO in motion

optiGO In Motion is our latest coating designed for everyday use and enhanced for low light and night time driving, minimises reflections and improved eye comfort in times of bad visibility. optiGO In Motion comes with a Two year no quibble guarantee against scratches caused by general day to day wear and tear providing the lenses are manufactured and supplied by us.

optiPURE+

OUR MOST TRANSPARENT COATING YET!

This next generation coating combines all the features and benefits of our proven optiCLEAR coating, with the addition of increased scratch resistance up to 10x times stronger than uncoated, and a specially designed residual hue offering a reduction of reflections close to 99%, giving the wearer the best visual performance ever.

optiFLASH UV

A semi-transparent mirror coating applied on the convex surface of a tinted or polarising lens. It is combined with an anti-reflective coating on the concave surface. Ideal for sunglasses – the sunglass tint and ultraviolet block give protection from bright sunlight; dangerous ultraviolet rays and the reflective front surface gives a great look.

Optimum RX GROUP

optimum
RX Lens Specialists
The complete ophthalmic solution

T +44 (0) 1524 541540
F +44 (0) 843 515 8288
E info@optimumcoatings.co.uk
W optimumcoatings.co.uk

vanALSTYNES
optical manufacturers

T +44 (0) 1253 508555
F +44 (0) 843 515 8288
E enquiries@vanalstynes.co.uk
W vanalstynes.co.uk

OPTICIAN
AWARDS
WINNER
2024

5 Newgate, White Lund Ind. Estate,
Morecambe, Lancashire LA3 3PT

Free Form Lenses Manufactured in the UK