Sport Progressive

DIGITAL RAY-PATH®

Improving dynamic and distance vision

Design Details

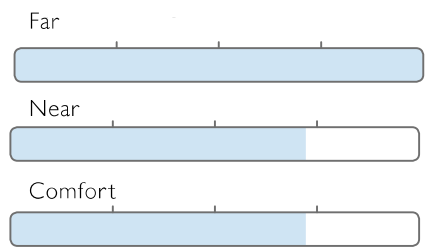
Nowadays PAL users practice more and more sports, so it just makes sense to develop a progressive that will provide them with the best optical quality in distance and intermediate vision. Dynamic vision is the key of success in this type of lenses. Sport Progressive, the ophthalmic lens design by IOT, 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 user.

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. Sport Progressive lenses from IOT are compensating these effects thanks to Digital Ray-Path® method, and are compatible with any sport frame.

Performance



Advantages

- Wide clear area of binocular vision in far distance
- Wide corridor provides a comfortable intermediate vision
- Low values of lateral unwanted cylinder
- Adjusted near vision for a clear view of the sports equipment (maps, compass, watch…)
- Ergonomic position of the head and body during sports activity
- Minimize swim effects
- High precision and high personalization due to Digital Ray-Path® technology
- Clear vision in every gaze direction
- Oblique astigmatism reduced
- Variable Inset: Automatic and manual
- Frame shape personalization available

Target & Positioning

- Ideal for user who needs a progressive lens special for outdoor activities.
- A compensated progressive lens ideal for sports (sports or outdoor activities).

Parameters

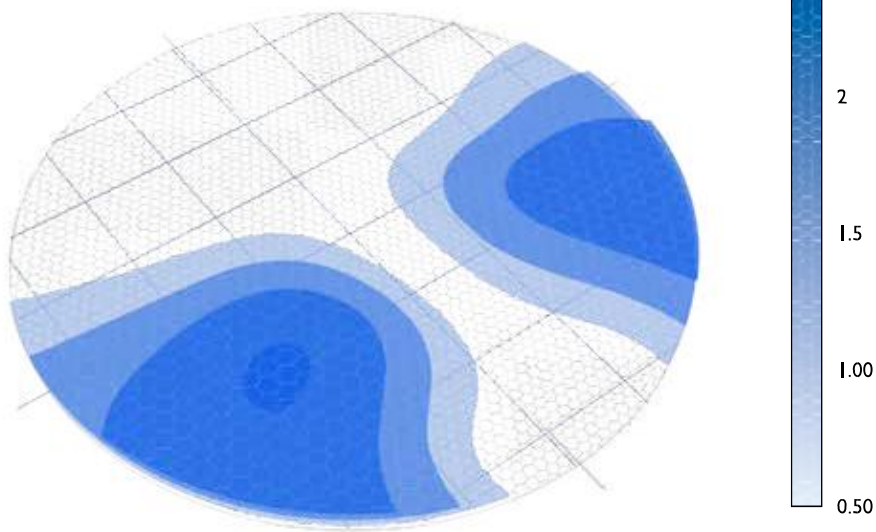
Vertex distance	4
Near working distance	4
Pantoscopic angle	4
Wrapping angle	4
IPD	4
SEGHT	4
HBOX	4
VBOX	4

MFH Minimum Fitting Height

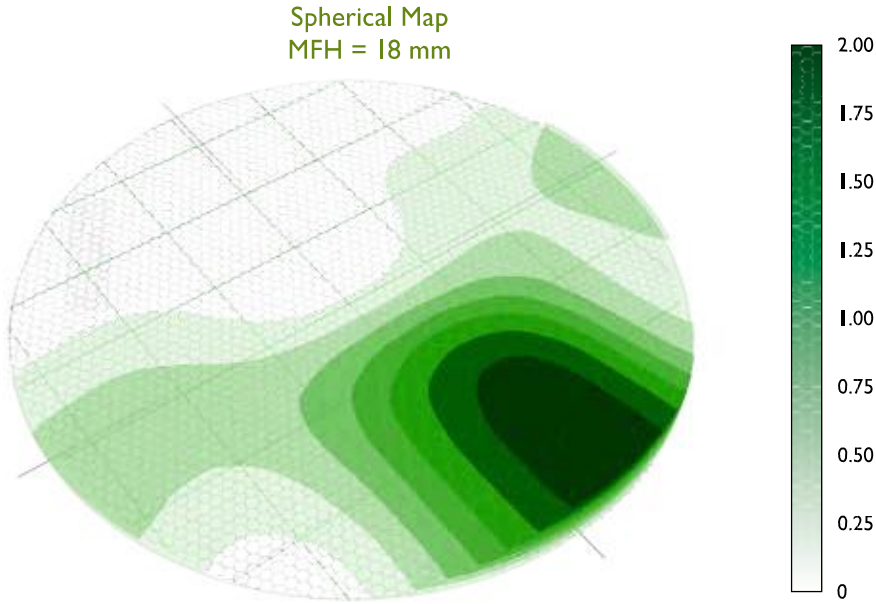
16 mm
18 mm

www.digitalray-path.com

Cylinder Map
MFH = 18 mm



Spherical Map
MFH = 18 mm



Sporthin PAL

DIGITAL RAY-PATH®

Thinner lenses for outdoor activities

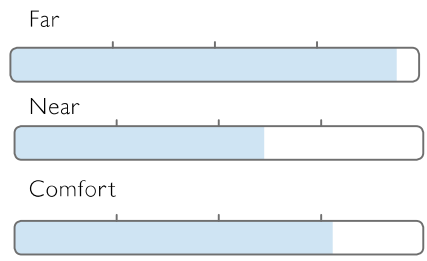
Design Details

Depending on the prescription and required thickness of the lens, there is sometimes a limitation when selecting frames for outdoor activities. 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. Sporthin PAL is IOT's answer to this limitation.

As a progressive design especially engineered for outdoor activities, Sporthin PAL offers a wide distance visual field, a long corridor that reduces the swim effect, and an acceptable near visual field for checking cell phones or reading a map while walking, playing golf, biking, etc.

In addition to the optical features, this design reduces lens thickness up to 34% by using a unique lenticular effect that maximizes the angle of clear vision without significantly increasing lens thickness. Another benefit of this unique configuration is the enlargement of the power range for sport frames, allowing labs to offer high minus or plus prescriptions with curved sport frames.

Performance



Advantages

- Up to a 34% reduction in lens thickness
- Wide corridor provides a comfortable intermediate vision
- Low values of lateral unwanted cylinder
- Adjusted near vision for a clear view of the sports equipment (maps, compass, watch…)
- Ergonomic position of the head and body during sports activity
- Minimize swim effects
- High precision and high personalization due to Digital Ray-Path® technology
- Clear vision in every gaze direction
- Oblique astigmatism reduced
- Variable Inset: Automatic and manual
- Frame shape personalization available

Target & Positioning

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

Parameters

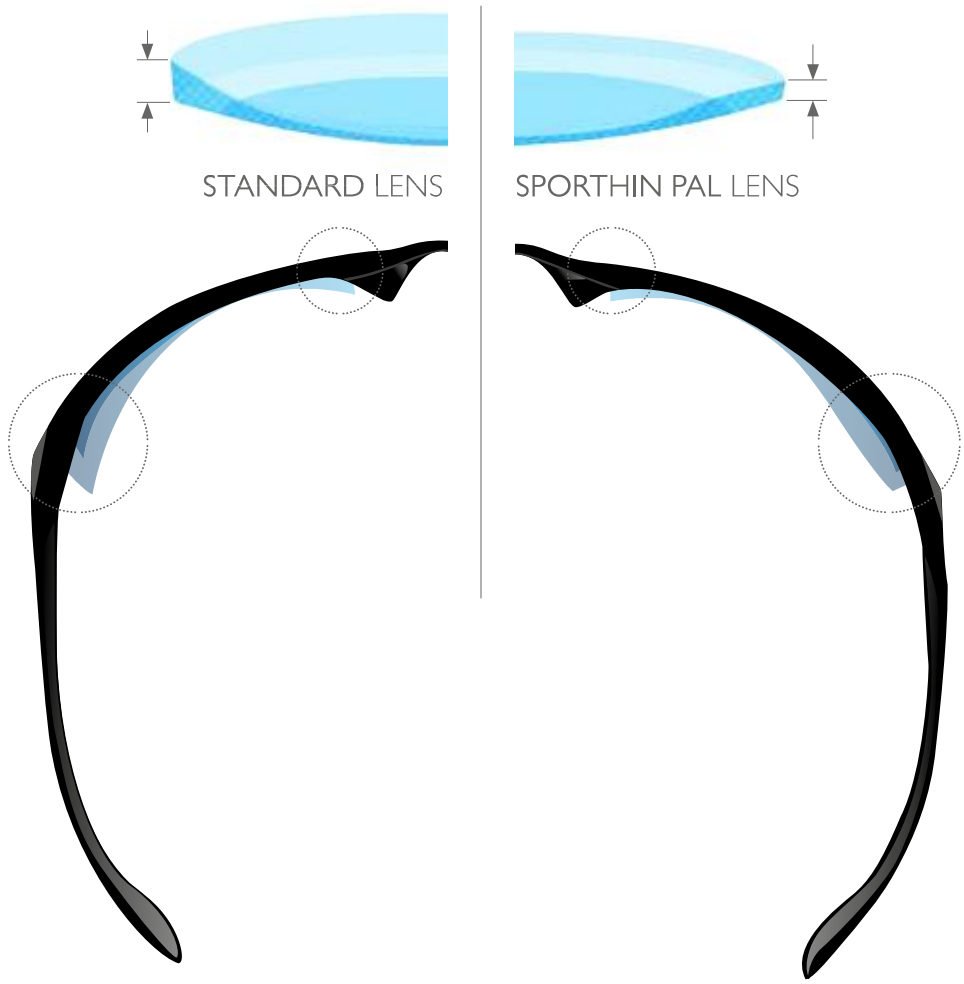
Vertex distance	4
Near working distance	4
Pantoscopic angle	4
Wrapping angle	4
IPD	4
SEGHT	4
HBOX	4
VBOX	4

MFH Minimum Fitting Height

16 mm
18 mm

Pre-configuration

Vertex distance	14 mm
Pantoscopic angle	8°
Wrapping angle	15°


STANDARD LENS
SPORTHIN PAL LENS