



## OMD Lens Designs

*Lens Designs powered by OptoTech's latest calculation technology*

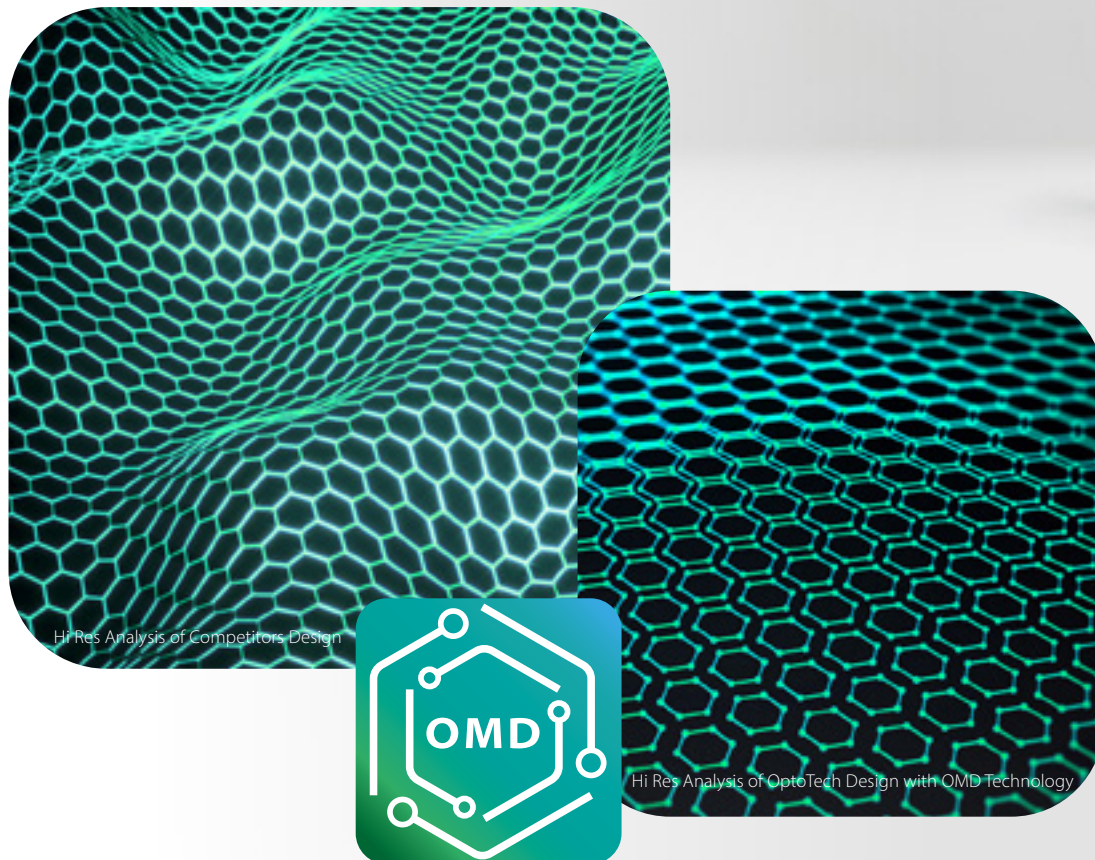


The new OptoTech Minimal Distortion (OMD) Technology offers **the worlds' best relation between addition and distortion**. All OMD lenses are completely balanced lenses with quick and increased wearer adaption rates.

OMD Technology can be combined with existing OptoTech Designs. This offers **maximum degrees of freedom to create your own unique design family** that is both profitable and customizable.

The OMD Technology **reduces the lens design unwanted astigmatism between 30-40%** for highest visual comfort.

OptoTech already created several OMD-Designs, for example our lifestyle designs: Office Active, Office Flex, Office Relax, EasyLife, Digital Smart Boost, Dynamic Drive or Dynamic Sports.



#### OMD Benefits:

- + *Minimal distortion, maximal precision*
- + *Immediate wearer adaption*
- + *Thinnest lenses*
- + *Widest optical fields*

# Overview OMD Lens Designs



Suitable for:	Reading	Electronic Devices	Office Work	Sports	Driving	Optimized Far	Optimized Intermediate	Optimized Near	Balanced	Beginners	
Far Comfort Pro				● ●	● ●	● ● ●			●	● ● ●	PROGRESSIVE
Near Comfort Pro	● ● ●	●	●	●	●	●	●	● ● ●	● ●	● ● ●	
Balanced Comfort Pro+	● ●	●	●	●	● ●	●	● ●	● ●	● ● ●	● ● ●	
Office Active	● ● ●	● ● ●	● ● ●				● ●	● ● ●	● ●	● ●	LIFESTYLE
Office Relax	● ●	● ●	● ● ●				● ● ●	● ●	● ●	● ●	
Office Flex	● ● ●	● ●	● ●				●	● ●	● ●	● ● ●	
Digital Smart Boost	● ● ●	● ● ●	● ●	● ●	●	●	●	● ● ●	● ●	● ● ●	
EasyLife	● ● ●	● ● ●	● ●	● ●	● ●	● ●	●	● ●	● ●	● ● ●	
Dynamic Drive				● ●	● ● ●	● ● ●	●		●	●	
Dynamic Sports				● ● ●	● ●	● ● ●				●	SPECIAL
Trifocal	● ●	●	● ●	● ●	● ●	● ●	● ● ●	● ●		●	
Pilot	Special Lens Design for various application										



## High-End Progressive



### Characteristics:

- + *Harmonic lens layout*
- + *Generous visual fields*
- + *Low levels of blur*
- + *Fully customized lens*
- + *Outstanding visual performance*

### Wearer's Benefits:

- + *Highest comfort*
- + *Easy adaptation*
- + *Smooth power transition between zones*
- + *Excellent vision*
- + *Unparalleled image quality*





### Far Comfort Pro

Premium progressive lens with exceptional distance vision quality, minimal distortion as well as high-definition and stable image quality. Perfect panoramic vision for any distance visual activities such as watching movies, walking, travelling, and enjoying the landscape.

**Near** ●●●○○  
**Intermediate** ●●●●○  
**Far** ●●●●●  
**Adaptive** ●●●●●



### Near Comfort Pro

Premium lens providing generous near visual area as well as superb image stability for near distance vision. Enhanced comfort and great optical quality for any close-up activities such as reading, studying or any other activities with prolonged use of near vision.

**Near** ●●●●●  
**Intermediate** ●●●●○  
**Far** ●●●○○  
**Adaptive** ●●●●●



### Balanced Comfort Pro+

Upgraded premium all-purpose lens with remarkable image stability for wide excellent vision. Best suited for wearers who are looking for impeccable vision quality and minimal distortion to offer the utmost comfort for everyday and for using electronic devices.

**Near** ●●●●○  
**Intermediate** ●●●●○  
**Far** ●●●●○  
**Adaptive** ●●●●●

## High-End Progressive

OptoTech's High-End Lens Designs incorporate the latest technological innovations to deliver the ideal lens layout to meet the high demanding visual needs of a modern lifestyle. OMD Technology reduces unwanted astigmatism by up to 40%, achieving an outstanding vision quality combined with smooth power transition between distances and easy adaptation.

The result: Premium lenses with exceptional visual performance, enhanced fields of vision with extraordinarily low levels of blur as well as high-definition and stable image quality to provide the wearer with the utmost visual comfort for all day-to-day activities.

## Office Designs



### Characteristics:

- + *Optimized near and intermediate visual fields*
- + *Enhanced peripheral vision*
- + *Extraordinarily low distortion*
- + *Adaptive design*
- + *Tailor made solutions for individual needs*

### Wearer's Benefits:

- + *Natural vision and improved ergonomic posture*
- + *Easier adapting vision*
- + *Precise vision for indoor tasks*
- + *Improved visual comfort*





## Office Designs

Office Designs are the perfect visual accessory for all kinds of work in the office or any other close-up activities. They are optimized for intermediate and near vision to offer greater visual comfort and generous optical fields for reading, computer work or indoor meetings with colleagues and customers. The soft layout enables smooth power transition for an easier adapting vision which will allow the wearer to experience greater comfort when shifting focus between zones. Powered by OMD Technology, distortion is reduced to an incredible low level so that the wearer can enjoy large visual fields for an improved natural vision and much more relaxed and comfortable view which will also improve ergonomic posture while working.

The lens can be fully customized to suit the wearer's individual preference. Different distance vision ranges can be selected as well. Normally, wearers choose ranges between 0.8 m to 4 m. However, we recommend choosing a distance vision up to 2m to fully exploit the visual performance and benefits of Office Design lenses.



### Office Active

Adaptive Office Design with enhanced visual fields for intermediate distance vision and power boost in the near visual zone. Designed for wearers who require an open and comfortable clear view for working with digital displays or having indoor meetings with colleagues or customers.

**Near** ●●●●○  
**Intermediate** ●●●●●  
**Far** ●●○○○  
**Adaptive** ●●●●●



### Office Relax

Advanced design with expanded near visual fields and enhanced peripheral vision for a wide and clear view for close-up indoor activities. Improved visual comfort to allow an easier adapting vision between zones when shifting focus between near objects such as using different electronic devices or monitors at the workplace.

**Near** ●●●●○  
**Intermediate** ●●●●○  
**Far** ●●●○○  
**Adaptive** ●●●●●



### Office Flex

Advanced and well-balanced Office Design with enhanced optical zones for intermediate and distance vision. Ideal solution for professionals demanding superior panoramic vision with great comfort and image clarity for a focused distance vision in e.g. meetings or seminars.

**Near** ●●●○○  
**Intermediate** ●●●●○  
**Far** ●●●●○  
**Adaptive** ●●●●●

# Anti-Fatigue



## Characteristics:

- + *Slight power boost in the near visual area*
- + *Minimal distortion*
- + *Adaptive design*
- + *High-resolution clear vision*

## Wearer's Benefits:

- + *Accommodative relief in the near vision*
- + *Relieve the symptoms of eyestrain*
- + *Increased focus*
- + *Highest visual comfort*
- + *Brilliant view for everyday and for using electronic devices*





## Anti-Fatigue

When working on close-up or intermediate distance tasks with digital devices and consistently looking at different objects for an extended period of time, people often experience symptoms of eyestrain such as tired eyes, eye dryness, blurry vision or even headaches. This happens because the eye is constantly trying to adapt to the shifting vision to maintain a clear image and focus on objects at different distances.

To relieve those symptoms and avoid further irritation, a slight power boost of low addition has been added to the lower portion of our Anti-Fatigue lenses, which allows the eye to relax better and focus easier on near objects for a longer time with less effort. Wearers can benefit from Anti-fatigue lenses in many ways: they provide a clear and comfortable view throughout the day and increase focus for any near distanced activity with constant shifting vision especially when using digital devices. Thanks to OMD Technology the lens layout has been fully optimized so that it offers almost immediate wearer adaptation which make Anti-Fatigue lenses also ideal for beginners, non-adapts or even patients who don't actually require vision correction.

### Digital Smart Boost

**Near** ●●●●○  
**Intermediate** ●●●●○  
**Far** ●●●○○  
**Adaptive** ●●●●●

### EasyLife

**Near** ●●●●○  
**Intermediate** ●●●●○  
**Far** ●●●○○  
**Adaptive** ●●●●●

## Dynamic Drive



### Characteristics:

- + *Ideal & harmonic lens layout*
- + *Superior distance vision*
- + *Sharp & high-contrast view*
- + *Fully customized lens*
- + *Levels of blur reduced to a minimum*

### Wearer's Benefits:

- + *Improved eye comfort during times of bad visibility*
- + *Great for day and night use*
- + *Easy transition between near and far zone*
- + *Minimizes reflection*
- + *One pair does it all, no need to change pairs*



## Dynamic Drive

Dynamic Drive is specially designed to meet the high visual requirements of frequent drivers. While driving, the wearer needs a high-contrast view of the road as well as a clear excellent vision of the entire cockpit at any time of the day. Furthermore, the lens also has to provide an extremely smooth transition of optical zones to enable comfortable vision between different distances, so the wearer can quickly shift focus to any direction.

Incorporating all these aspects and to ensure precise vision, OptoTech has meticulously worked on Dynamic Drive to be the ideal eyewear solution for driving any kind of vehicle, because we know that clear vision and vision acuity are critically important factors to safety.

To further increase visual performance, the positive characteristics of the Dynamic Drive design can be boosted by using one of OptoTech's latest coating technologies.



Premium lens design with generous visual fields and sharp, excellent view to provide great eye comfort especially for frequent drivers.

### Dynamic Drive

**Near** ●●●○○  
**Intermediate** ●●●●○  
**Far** ●●●●●  
**Adaptive** ●●●●●



# Dynamic Sports



## Characteristics:

- + *Generous visual fields*
- + *Superior image stability*
- + *Panoramic distance vision*
- + *Fully customized lens*
- + *Lowest distortion level*

## Wearer's Benefits:

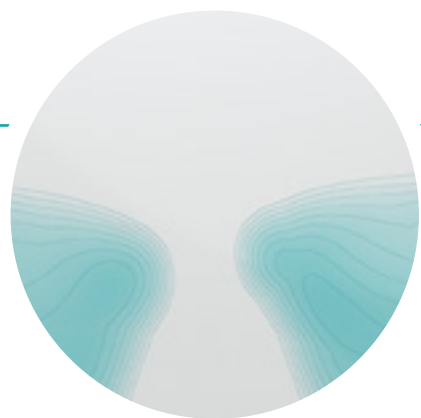
- + *Optimized for dynamic activities*
- + *Precise vision*
- + *Greater comfort*
- + *Easy adaptation between zones*
- + *High-resolution image quality*



## Dynamic Sports

Sports activities are a very important part of modern society, especially outdoor sports like cycling, skiing, running, horse riding and golf. OptoTech enthusiastically supports these activities and knows when people have better access to active eyewear with good vision, they will excel in their active lifestyles. Dynamic Sports is optimized to offer panoramic distance vision and easy adaptation between zones for a superior image quality during sports activities.

Due to the new calculation method, astigmatism is reduced significantly to expand the fields of clear vision providing the wearer with high visual acuity in any directions and natural vision with top visual performance for dynamic outdoor activities. On top of that, the design is highly compatible with most frames and lens combinations as well as all features of lenticular blending, so that wearers can fully customize their eyewear according to their own preference.



Excellent lens design with wide panoramic vision and superior image stability designed for outdoor activities.

### Dynamic Sports

**Near** ●●○○○

**Intermediate** ●●●●○

**Far** ●●●●●

**Adaptive** ●●●●●

# Pilot

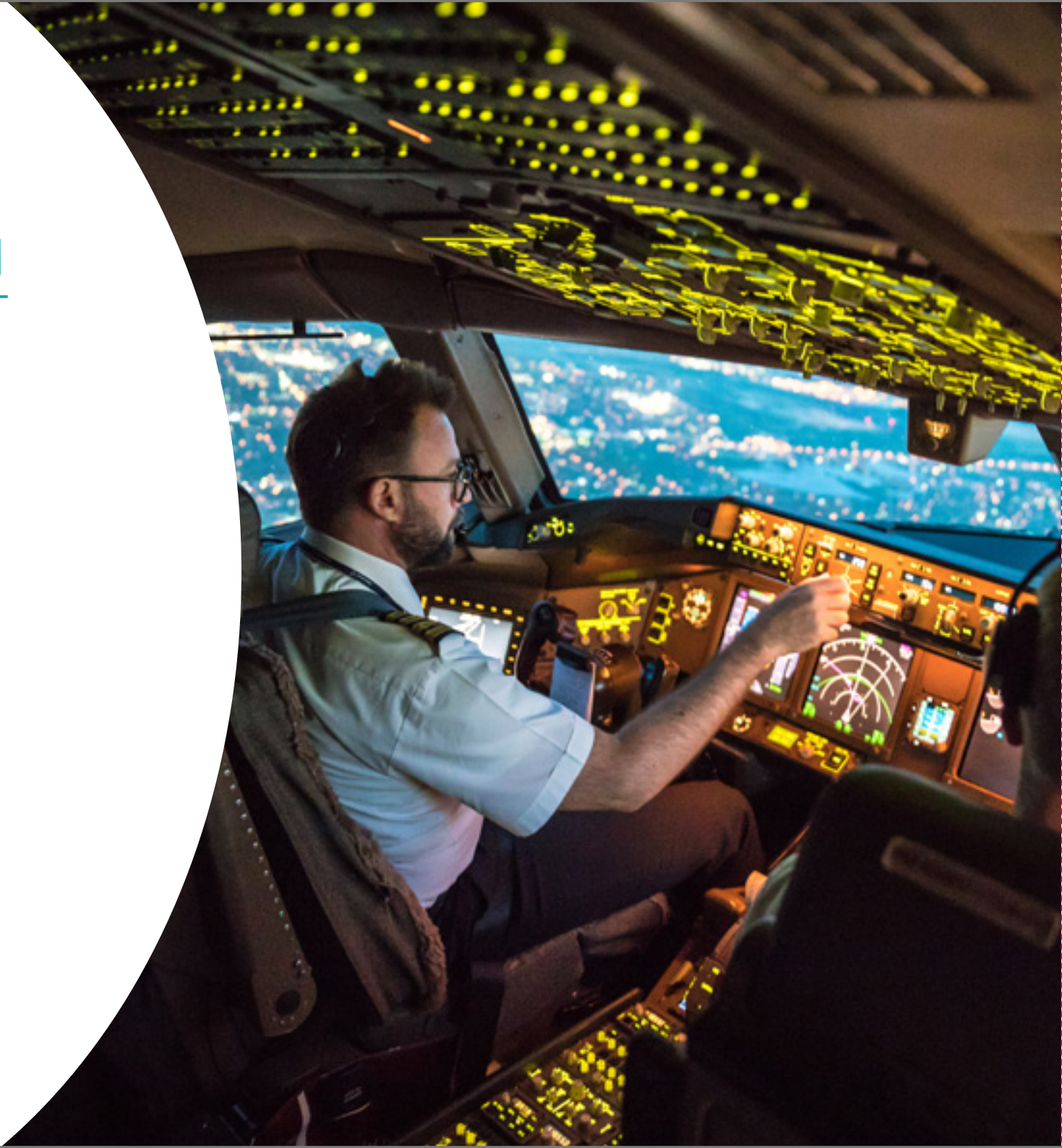


## Characteristics:

- + *Special near zone in upper lens part*
- + *Customizable lens layout (4 available designs)*
- + *Switched optical zones*
- + *Fully individualized lens*
- + *Low levels of blur*

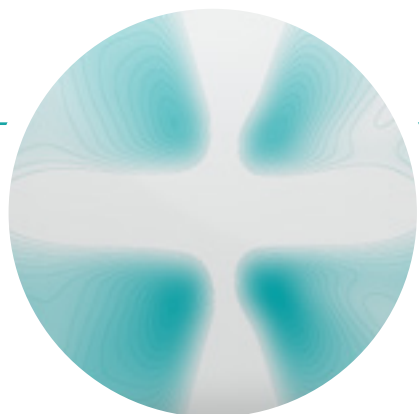
## Wearer's Benefits:

- + *Very good upper visual comfort*
- + *More natural and economic viewing position*
- + *Easier adaptation between zones*
- + *Innovative to fully meet special requirements*





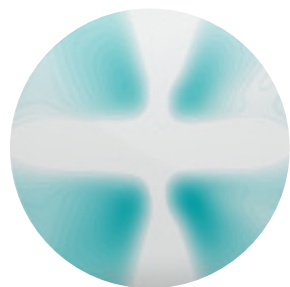
## Pilot



### Pilot

Unique specialist lens design with two power zones to accommodate special visual requirements of professionals

### 4 available designs



Special tasks require individualized visual needs. To offer the best possible visual solution for professionals, we developed a unique progressive with two power zones to accommodate these special visual requirements. For example: flying a plane is one of the most challenging jobs, because of staying extremely focused and working with highest precision while being responsible for the lives of many passengers. This kind of work also means a high level of stress for the pilot's eyes, since there is a need to have a very good near view in the upper as well as the lower lens area to read the instruments and have clear vision in the middle area.

Our special Pilot Design has an integrated additional near zone at the top of the lens which enables the pilot to have an excellent vision of the instruments above him as well as the entire cockpit in front of him. The Pilot Design is also suitable for technicians who require enhanced vision for working on overhead area e.g. light installation, automotive technicians, plumbers, pharmacists and many more application where near focus areas are required above and below the direct visual line of site.

In total there are currently 4 different Pilot Designs available for special visual requirements.

# Trifocal



## Characteristics:

- + *Adjustable distance of intermediate zone (0.8 m, 1.2 m, 1.80 m)*
- + *Fully optimized for intermediate distances*
- + *Significantly reduced distortion*
- + *Tailor made solutions for individual needs*

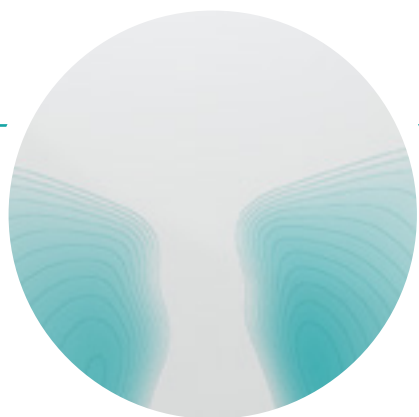
## Wearer's Benefits:

- + *Brilliant clear vision*
- + *Excellent transition between zones*
- + *Improved focus*
- + *Very comfortable and exceptional good intermediate field of view*



## Trifocal

The Trifocal lens design is an industry unique specialist design with an extended intermediate zone. The range of clear sight in the progression channel is set to a fix distance, resulting in a very comfortable intermediate field of view compared to a standard progressive. The distance of the intermediate zone can be set up to 0.8 m, 1.2 m or 1.80 m. These designs are ideal for customers who require a good distance vision and an exceptional good intermediate view as well. For example, when playing golf: You need a far zone for the drive, an intermediate zone for hitting the ball in about 1.80 m distance and a near zone for recording your results. With the Trifocal design, all 3 zones can be defined individually in regard to the specific requirements of the wearer. Using OMD Technology, the optical fields of the lens are significantly enhanced, and distortion is brought to a minimum which makes the near, intermediate and far visual areas brilliantly clear.



Unique lens design with an extended intermediate zone for optimized vision and outstanding visual performance.

### Trifocal

**Near** ●●●●○  
**Intermediate** ●●●●●  
**Far** ●●●○○  
**Adaptive** ●●●●●



## Contact

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## OptoCalc 4.0

Next Generation Lens Designs

