

iAction II™

Perfect Vision for active and sports wearer

SWISSCOAT® iAction II™ is ideal for all types of sports and outdoor activities. **SWISSCOAT® iAction II™** is a unique single vision and progressive lens developed for a wide variety of wrap-around frames. It protects eyes while effectively expanding vision zone and enhancing peripheral vision. With **SWISSCOAT® iAction II™** you benefit from a design breakthrough: the creation of single base curve that doesn't compromise on optical quality and is suitable for extensive range of prescriptions.

iAction II™ by **SWISSCOAT®** provides greater safety in sports and are available for polarized and photochromic versions such as Transitions. **iAction II™** is the perfect choice for active spectacle wearers for both optical and fashionable reasons.

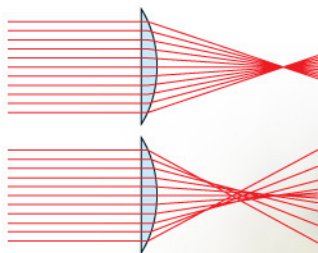
Spherical aberration

A perfect lens focuses all incoming rays to a point on the optical axis. A real lens with spherical surfaces suffers from spherical aberration : it focuses rays more tightly if they enter it far from the optical axis than if they enter closer to the axis. It therefore does not produce a perfect focal point. (drawing is exaggerated)

Refer to : http://en.wikipedia.org/wiki/spherical_aberration

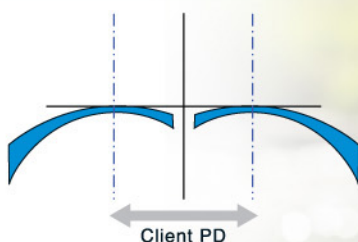
In order to solve the spherical aberration, aspheric lens is made to offset the spherical aberration by applying various curvature on the lens surface. The curvature will be flatter towards the edge of the lens.

The aspheric lens is not only with clear image and also with flatter and thinner results.

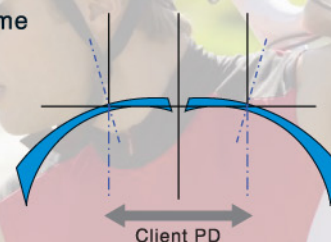


Prism Effect of Wrap-Around frame

Normal



Wrap-Around frame



iAction II™

In ordinary optical frame, the front plane of the frame is pretty flat so that the principle of light can strike the optical centre perpendicularly, to minimize the uncomfortable prismatic effect. But tilting angle and the steep curvature of the lenses on the wrap-around style frame change the incident angle of light and introduce mild optical deviation.

iAction II™ corrects all these optical errors from wrap-around frame to the advanced optics by the latest software

- Lens Diameter up to 85mm
- Supply front curve: Base +6.00 / +7.00 / +8.00
- Single vision and Progressive lens available
- Progressive Fitting: 4mm above center of engraving axis
- Single vision. Fitting at center of marking
- Minimum fitting height: 15mm - 18mm
- Variable Inset Available

iAction II™ Nasal Engraving XX / Supply Power Range

| Material Index | Clear / Coloured | Transitions® (Brown / Grey) Transitions® XTRActive® Grey | Polarized (Brown / Grey / Green) | Photochromic Polarized | Photochromic |
|--------------------------|---------------------------------------|---|-------------------------------------|--|-----------------------|
| 1.5 | Clear / Coloured | Transitions / XTRActive | (Brown / Grey / Green) | Transitions Drivewear | ----- |
| | E5/ E8 80mm | T5/ T8 75mm | Z5/ Z8 70mm | W5/ W8 70mm | |
| | +4.00D ~ -6.00D | +4.00D ~ -6.00D | +4.00D ~ -6.00D | +4.00D ~ -6.00D | |
| SAFEwear 1.53 Trilogy | Clear | Transitions / XTRActive | (Brown / Grey) | ----- | ----- |
| | V5/ V8 75mm | TV/ TV8 75mm | ZV5/ ZV8 70mm | | |
| | +4.00D ~ -6.00D | +4.00D ~ -6.00D | +4.00D ~ -6.00D | | |
| SAFEwear 1.53 NXT | Golf / Outdoor / MaxSpeed / Orange | ----- | ----- | Photochromic Polarized NXT (Brown / Grey) | ----- |
| | V5/ V8 80mm | | | ZV5/ ZV8 80mm | |
| | +4.00D ~ -6.00D | | | +4.00D ~ -6.00D | |
| 1.589 PC | Clear | Transitions | (Brown / Grey / Green) | Transitions Drivewear | Golf Lover / Action B |
| | L5/ L8 80mm | TL5/ TL8 75mm | ZL5/ ZL8 70mm | WL5/ WL8 70mm | TV5/ TV8 80mm |
| | +4.00D ~ -4.50D | +4.00D ~ -4.50D | +4.00D ~ -4.50D | +4.00D ~ -4.50D | +4.00D ~ -6.00D |
| 1.61 | Clear / Coloured | Transitions / XTRActive | (Brown / Grey) | ----- | ----- |
| | H5/ H8 75mm | TH5/ TH8 73mm | ZH5/ ZH8 70mm | | |
| | +4.00D ~ -6.00D | +4.00D ~ -6.00D | +4.00D ~ -6.00D | | |
| 1.67 | Clear / Coloured | Transitions / XTRActive | (Brown / Grey) | ----- | ----- |
| | P5/ P8 70mm | TP5/ TP8 74mm | ZP5/ ZP8 70mm | | |
| | +4.00D ~ -6.00D | +4.00D ~ -6.00D | +4.00D ~ -6.00D | | |
| 1.74 | Clear / Coloured | Transitions / XTRActive | ----- | ----- | ----- |
| | P5/ P8 70mm | TP5/ TP8 70mm | | | |
| | +4.00D ~ -6.00D | +4.00D ~ -6.00D | | | |

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Progressive engraving:

Temple Progressive 2 >Nasal< 2 Single Vision Temple

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iAction II™ Nasal Engraving XX / Supply Power Range

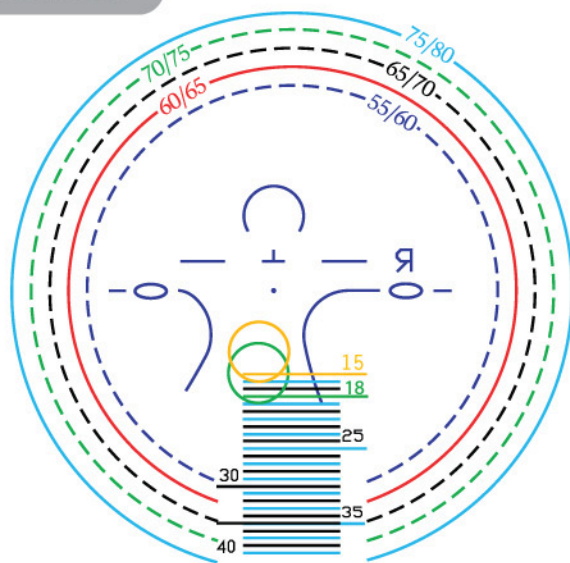
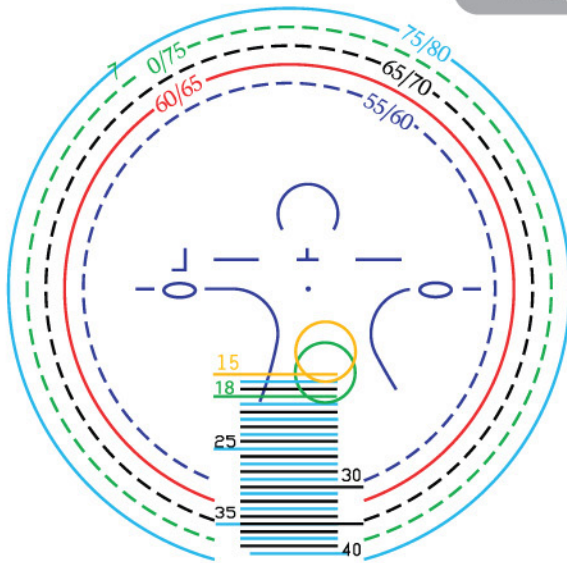
| Material Index | Clear / Coloured | Transitions* (Brown / Grey) Transitions* XTRActive™ Grey | Polarized (Brown / Grey / Green) | Photochromic Polarized | Photochromic |
|--------------------------|-------------------------------------|---|-------------------------------------|--|-----------------------|
| 1.5 | Clear / Coloured | Transitions / XTRActive | (Brown / Grey / Green) | Transitions Drivewear | ----- |
| | E 80mm | T 75mm | Z 75mm | W 74mm | |
| | +4.00D ~ -6.00D | +4.00D ~ -6.00D | +4.00D ~ -6.00D | +4.00D ~ -6.00D | |
| SAFEwear 1.53 Trilogy | Clear | Transitions / XTRActive | (Brown / Grey) | ----- | ----- |
| | V 75mm | TV 75mm | ZV 74mm | | |
| | +4.00D ~ -6.00D | +4.00D ~ -6.00D | +4.00D ~ -6.00D | | |
| SAFEwear 1.53 NXT | Golf / Outdoor/ MaxSpeed/ Orange | ----- | ----- | Photochromic Polarized NXT (Brown / Grey) | ----- |
| | V 80mm | | | ZV 75mm | |
| | +4.00D ~ -6.00D | | | +4.00D ~ -6.00D | |
| 1.589 PC | Clear | Transitions | (Brown / Grey / Green) | Transitions Drivewear | Golf Lover / Action B |
| | L 80mm | TL 75mm | ZL 76mm | WL 75mm | TV 80mm |
| | +4.00D ~ -4.50D | +4.00D ~ -4.50D | +4.00D ~ -4.50D | +4.00D ~ -4.50D | +4.00D ~ -6.00D |
| 1.61 | Clear / Coloured | Transitions / XTRActive | (Brown / Grey) | ----- | ----- |
| | H 75mm | TH 73mm | ZH 76mm | | |
| | +4.00D ~ -6.00D | +4.00D ~ -6.00D | +4.00D ~ -6.00D | | |
| 1.67 | Clear / Coloured | Transitions / XTRActive | (Brown / Grey) | ----- | ----- |
| | P 70mm | TP 74mm | ZP 70mm | | |
| | +4.00D ~ -6.00D | +4.00D ~ -6.00D | +4.00D ~ -6.00D | | |
| 1.74 | Clear / Coloured | Transitions / XTRActive | ----- | ----- | ----- |
| | P 75mm | TP 74mm | | | |
| | +4.00D ~ -6.00D | +4.00D ~ -6.00D | | | |

* Total Power under -4.25D; 10mm of Decentration is available

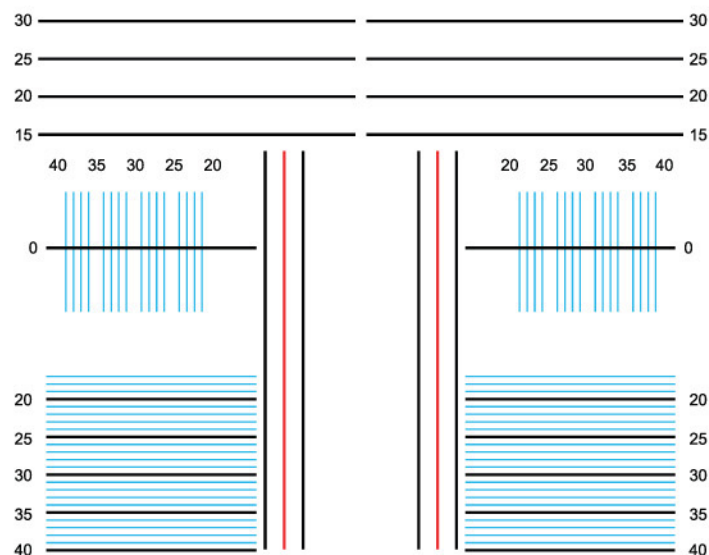
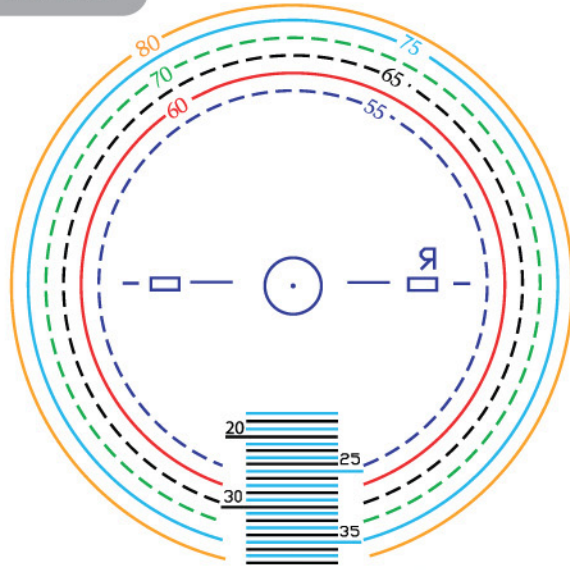
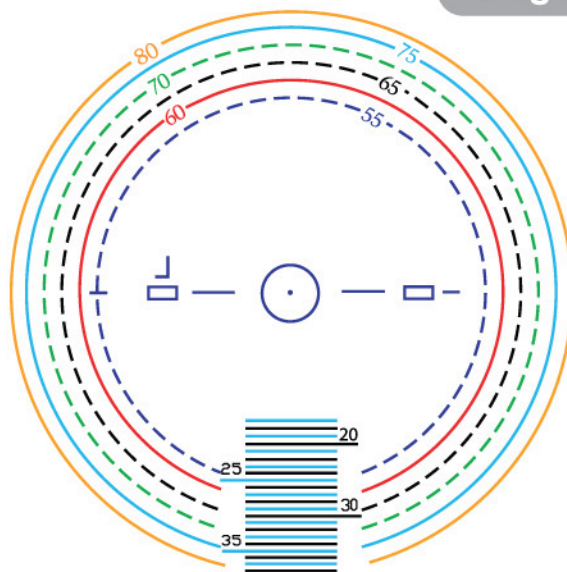
* Total Power over -4.25D; 8mm of Decentration is available

* Total power over -4.25D; only with backside aperture in 50mm

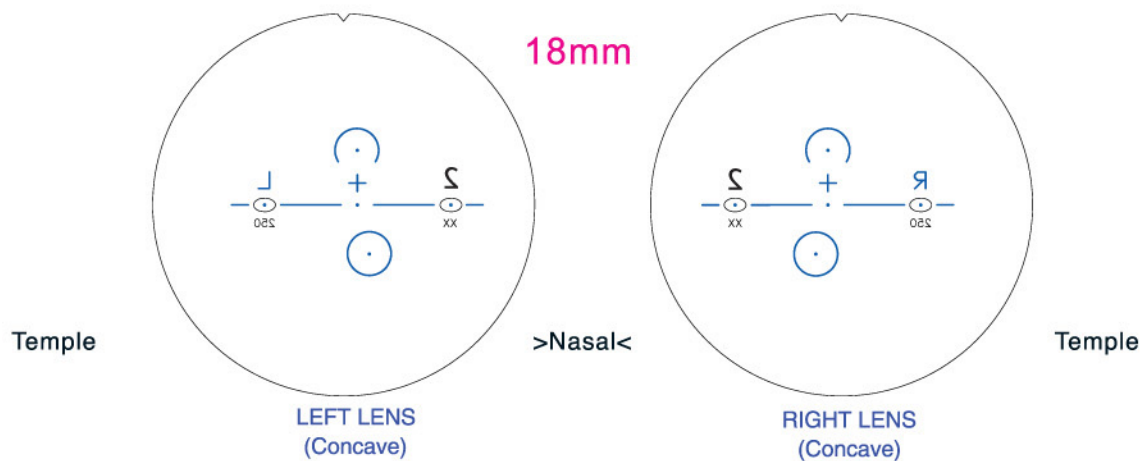
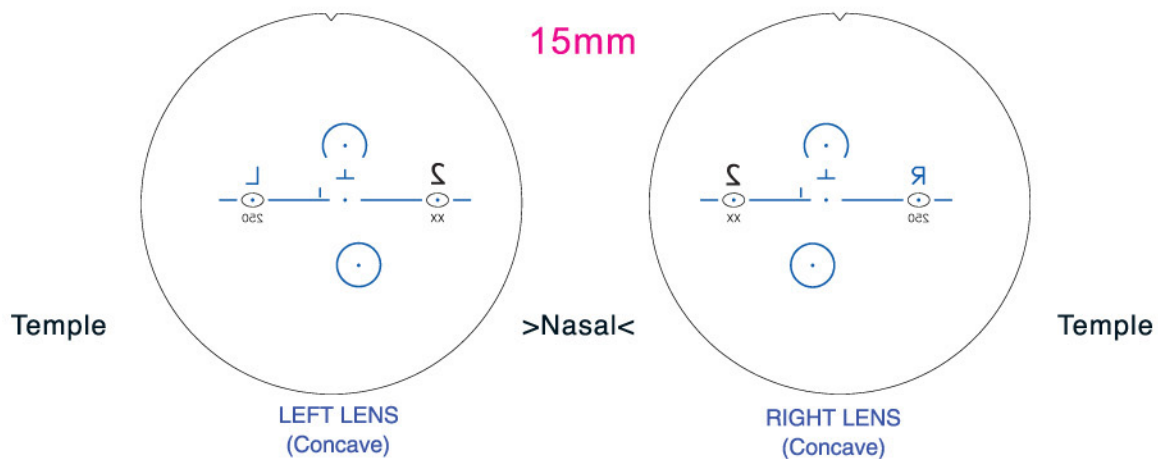
Progressive



Single Vision



Progressive



Single Vision

