

My World

High Definition Surfacing

iAction³ Perfect Vision for active and sports wearer

SWISSCOAT iAction³ is ideal for all types of sports and outdoor activities. **SWISSCOAT iAction³** 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 iAction³** 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.

iAction³ Sports by **SWISSCOAT** provides greater safety in sports and are available for polarized and photochromic versions such as Transitions. **iAction³ Sports** is the perfect choice for active spectacle wearers for both optical and fashionable reasons.

SWISSCOAT My World - iAction³

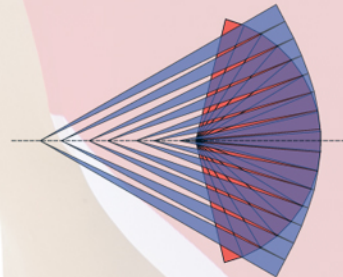
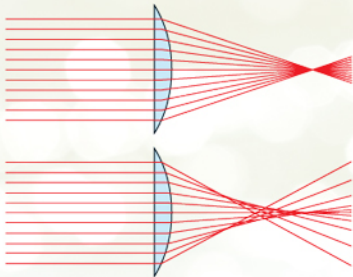
Spherical aberration

A perfect lens (top) focuses all incoming rays to a point on the optic axis. A real lens with spherical surfaces (bottom) suffers from spherical aberration: it focuses rays more tightly if they enter it far from the optic 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

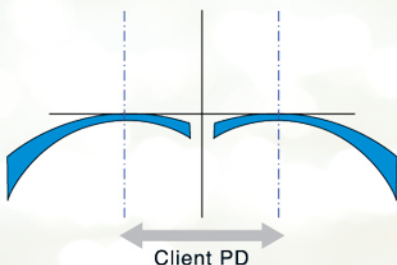
In order to solve the spherical aberration, aspheric lens is made to offset the spherical aberration by applying various curvature on the lens surface. The curvature will be flatter towards the edge of the lens.

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

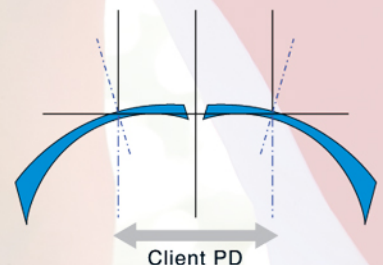


Prism Effect of Wrap-Around frame

Normal



Wrap-Around frame



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.

iAction³ 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

Progressive engraving:

Temple

Progressive

>Nasal<

Single Vision

Temple



ADD



XX



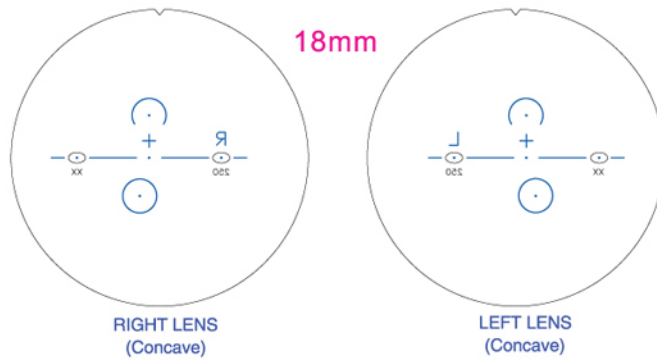
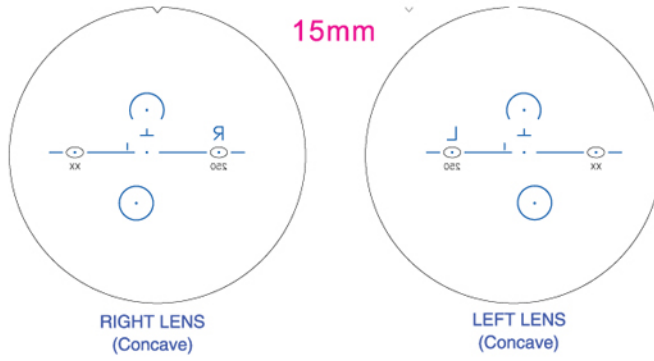
XX



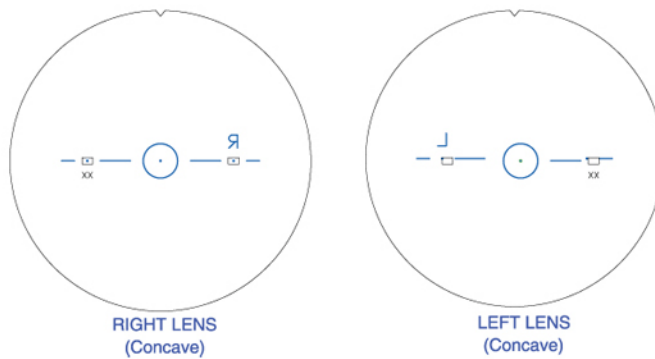
iAction ³ — Nasal Engraving XX / Progressive Supply Power Range (Add 0.75D ~ 3.50D) * Maximum Diameter						
Material	Index	Clear / Colour	Transitions(Brown / Grey) Transitions XTRActive (Grey)	Polarized (Brown/Grey/Green)	Photochromatic Polarized	Photochromatic
CR39	1.498	Clear / Colour	Transitions / XTRActive	(Brown/Grey/Green)	Transitions Drivewear	-----
		E5 / E8 85mm	T5 / T8 75mm	Z5 / Z8 75mm	W5 / W8 74mm	
		+4.00D~-4.00D	+4.00D~-4.00D	+4.00D~-4.00D	+4.00D~-4.00D	
SAFEwear by Trilogy	1.53	Clear	Transitions / XTRActive	(Brown/Grey)	-----	-----
		V5 / V8 75mm	TV5 / TV8 75mm	ZV5 / ZV8 74mm		
		+4.00D~-4.00D	+4.00D~-4.00D	+4.00D~-4.00D		
SAFEwear by NXT	1.53	Golf / Outdoor / MaxSpeed / Orange	-----	-----	Photochromatic Polarized (Brown / Grey)	Golf Lover / Action B
		V5 / V8 80mm			ZV5 / ZV8 75mm	TV5 / TV8 80mm
		+4.00D~-4.50D			+4.00D~-4.00D	+4.00D~-4.00D
ACTIFwear	1.589	Clear	Transitions	(Brown/Grey/Green)	Transitions Drivewear	-----
		L5 / L8 80mm	TL5 / TL8 75mm	ZL5 / ZL8 76mm	WL5 / WL8 75mm	
		+4.00D~-4.50D	+4.00D~-4.50D	+4.00D~-4.50D	+4.00D~-4.50D	
1.6 High Index	1.61	Clear / Colour	Transitions / XTRActive	(Brown/Grey)	-----	-----
		H5 / H8 80mm	TH5 / TH8 73mm	ZH5 / ZH8 76mm		
		+4.00D~-5.00D	+4.00D~-5.00D	+4.00D~-5.00D		
1.67 High Index	1.67	Clear / Colour	Transitions / XTRActive	(Brown/Grey)	-----	-----
		P5 / P8 75mm	TP5 / TP8 74mm	ZP5 / ZP8 70mm		
		+4.00D~-5.00D	+4.00D~-5.00D	+4.00D~-5.00D		

iAction ³ — Nasal Engraving XX / Single Vision Supply Power Range * Maximum Diameter						
Material	Index	Clear / Colour	Transitions(Brown / Grey) Transitions XTRActive (Grey)	Polarized (Brown/Grey/Green)	Photochromatic Polarized	Photochromatic
CR39	1.498	Clear / Colour	Transitions / XTRActive	(Brown/Grey/Green)	Transitions Drivewear	-----
		E 85mm	T 75mm	Z 75mm	W 74mm	
		+4.00D~-4.00D	+4.00D~-4.00D	+4.00D~-4.00D	+4.00D~-4.00D	
SAFEwear by Trilogy	1.53	Clear	Transitions / XTRActive	(Brown/Grey)	-----	-----
		V 75mm	TV 75mm	ZV 74mm		
		+4.00D~-4.00D	+4.00D~-4.00D	+4.00D~-4.00D		
SAFEwear by NXT	1.53	Golf / Outdoor / MaxSpeed / Orange	-----	-----	Photochromatic Polarized (Brown / Grey)	Golf Lover / Action B
		V 80mm			ZV 75mm	TV 80mm
		+4.00D~-4.50D			+4.00D~-4.00D	+4.00D~-4.00D
ACTIFwear	1.589	Clear	Transitions	(Brown/Grey/Green)	Transitions Drivewear	-----
		L 80mm	TL 75mm	ZL 76mm	WL 75mm	
		+4.00D~-4.50D	+4.00D~-4.50D	+4.00D~-4.50D	+4.00D~-4.50D	
1.6 High Index	1.61	Clear / Colour	Transitions / XTRActive	(Brown/Grey)	-----	-----
		H 80mm	TH 73mm	ZH 76mm		
		+4.00D~-5.00D	+4.00D~-5.00D	+4.00D~-5.00D		
1.67 High Index	1.67	Clear / Colour	Transitions / XTRActive	(Brown/Grey)	-----	-----
		P 75mm	TP 74mm	ZP 70mm		
		+4.00D~-5.00D	+4.00D~-5.00D	+4.00D~-5.00D		

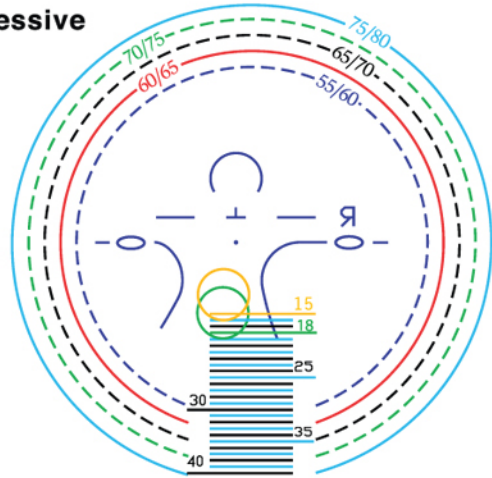
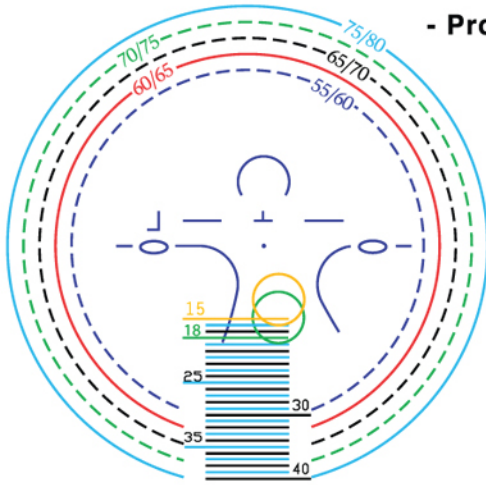
- Progressive



- Single Vision



- Progressive



- Single Vision

