Standard Center and Edge Thickness (Plastic Lens)

lens Type	Power range	StandardCenter thickness	Standard Edge Thickness
NormalIndex Lens	Plus power lens Plano lens Minus poewr lens	Minimum thickness 2.3mm 2.5mm 1.8mm	Minimum thickness 0.3mm 2.5mm Not applicable
Hi-index lens	Plus power lens Plano lens Minus poewr lens	Minimum thickness 2.3mm 2.3mm 1.5mm	Minimum thickness 0.3mm 2.5mm Not applicable
Normal IndexProgressive	Plus power lens Plano lens Minus poewr lens	Minimum thickness 2.3mm 2.5mm 1.8mm	Minimum thickness 0.3mm 2.5mm Not applicable
Hi-indexProgressive	Plus power lens Plano lens Minus poewr lens	Minimum thickness 2.3mm 2.3mm 1.5mm	Minimum thickness 0.3mm 2.5mm Not applicable

Standard Center and Edge Thickness (Mineral)

lens Type	Power range	StandardCenter thickness	Standard Edge Thickness
NormalIndex Lens	Plus power lens Plano lens Minus poewr lens	Minimum thickness 2.3mm 2.5mm 1.8mm	Minimum thickness 0.3mm 2.5mm Not applicable
Hi-index lens	Plus power lens Plano lens Minus poewr lens	Minimum thickness 2.3mm 2.3mm 0.8 mm	Minimum thickness 0.3mm 2.5mm Not applicable
Normal IndexProgressive	Plus power lens Plano lens Minus poewr lens	Minimum thickness 2.3mm 2.5mm 1.8mm	Minimum thickness 0.3mm 2.5mm Not applicable
Hi-indexProgressive	Plus power lens Plano lens Minus poewr lens	Minimum thickness 2.3mm 2.3mm 1.5mm	Minimum thickness 0.3mm 2.5mm Not applicable

Tolerance on the power of Swisscoat lenses
(Compliance to the international and China standards)

Tolerance on the power of lenses

The highest Spherical power	The power of each meridien	Tolerance on the Cylindrical power (Diopter)			
(Diopter)	(Diopter)	0.00~0.75	1.00~4.00	4.25~6.00	>6.25
0.00~3.00	+/-0.12	+/-0.09	+/-0.12	+/-0.18	+/-0.25
3.25~6.00	+/-0.12	+/-0.12	+/-0.12	+/-0.18	+/-0.25
6.25~9.00	+/-0.12	+/-0.12	+/-0.18	+/-0.18	+/-0.25
9.25~12.00	+/-0.18	+/-0.12	+/-0.18	+/-0.25	+/-0.25
12.25~20.00	+/-0.25	+/-0.18	+/-0.25	+/-0.25	+/-0.25
>20.00	+/-0.37	+/-0.25	+/-0.25	+/-0.37	+/-0.37

Tolerance on the Direction of Cylinder Axis

Cylindrical power (Diopter)	<0.5	0.5~0.75	0.75~1.50	>1.50
Tolerance on the Axis (Degrees)	+/-7	+/-5	+/-3	+/-2

Tolerance on the Pupli Distance

Vertical (mm)	Horizontal (mm)	
Any power	< 5.00D	< 3mm
<1mm	< 10.00D	< 2mm
-	> 10.00D	< 1mm

Tolerance on optical centretion and prismatic power

Prismatic power	Tolerance on Single Vision lens		Tolerance on multifocal power		
( )	Prismatic power	Circle radius (mm)	Prismatic power	Horizontal	Vertical
0.00~2.00	+/-0.25	1mm	+/-0.25	1mm	0.5mm
2.25~10.00	+/-0.37	1mm	+/-0.37	1mm	0.5mm
>10.25	+/-0.50	1mm	+/-0.50	1mm	0.5mm

All uncut ophtalmic lenses products material composition, manufacturing process, product specification, inspection and testing methods are carried out under quality controlled system and are in compliance to the international standards as followed.

ISO8980-1 Ophthalmic Optical-uncut Finished Spectacle Lenses Part 1:
Specifications for single-vision and multifocal lenses.

ISO8980-2 Ophthalmic Optical-uncut Finished Spectacle Lenses Part 2:
Specifications for progressive lenses.

FDA Regulation 21 CFR 801.410 for impact Resistant.
We hereby certify that Uncut Ophthalmic Finished Lenses are impact resistant ethin the meaning of the regulations I.e. neither shatterproof nor unbreakable. Beside from normal edging process, any additional modification to the lenses shall be required the lenses to be retested in accrodance to the regulation.