

SUN Collection 2018 | Technical Information

Mod. 8161, 8695, 8696 Infinity Collection

Mod. 8158, 8697, 8698 TMA Icon

Mod. 8162, 8163 TMA Atwire

Mod. 8693, 8694 Titan Breeze

Mod. 3191, 4075 Urban Sun

Silhouette[®]
AUTHENTIC EYEWEAR. SINCE 1964.

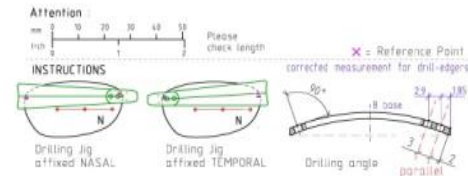
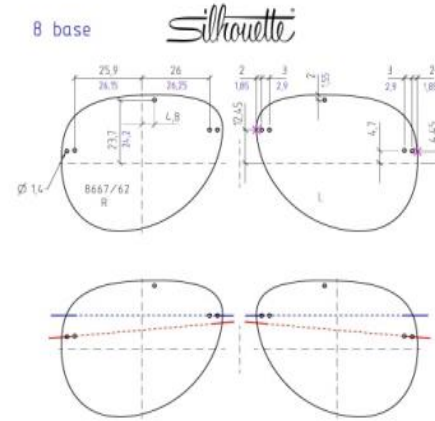


RX technical information



Rimless Glazing Information

OMA shape files and drill charts are available at www.silhouettelab.com




Patterns are available from Silhouette customer service at 800-223-0180



Rimless Glazing Information

Mod.	BC				BC
	sunlens				opt. sunlens
8142	8,0	58 x 48	16	21°	8,0
8667	8,0	62 x 51	16	21°	8,0
8686	8,0	61 x 43	17	23°	8,0
8685	6,0	54 x49	18	16°	6,0
8690	6,0	47 x39	23	14°	6,0
8155	6,0	49 x43	29	16°	6,0
8154	6,0	64 x50	17	13°	X
8156	6,0	61 x50	17	11°	6,0
8676	9,0	62 x46	17	25°	9,0
8677	9,0	64 x43	17	26°	9,0
8697	8,0	62 x51	17	19°	8,0




Rimless Glazing Information

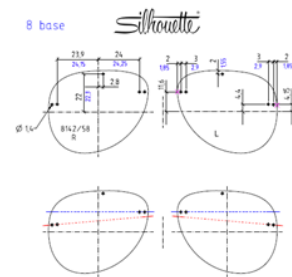
Mod.	BC				BC
	sunlens				opt. sunlens
8698	8,0	63 x45	17	19°	X
8158	6,0	60 x50	17	16°	X
8162	6,0	59 x49	17	16°	X
8163	6,0	58 x50	17	16°	X
8161	6,0	48 x42	24	12°	6,0
8695	6,0	49 x44	24	13°	6,0
8696	6,0	50 x42	24	13°	6,0
8693	6,0	55 x45	17	9°	6,0
8694	6,0	52 x47	19	9°	6,0
3191	6,0	55 x44	14	8°	6,0
4075	6,0	49 x45	18	8°	6,0

Rimless Glazing Information

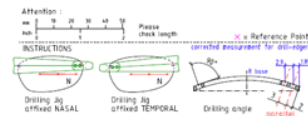
Rimless

technical details for glazing

Mod.	BC				BC
	sunlens				opt. sunlens
8142	8,0	58 x 48	16	21°	8,0
8667	8,0	62 x 51	16	21°	8,0
8686	8,0	61 x 43	17	23°	8,0
8676	9,0	62 x 46	17	25°	9,0
8677	9,0	64 x 43	17	26°	9,0
8697	8,0	62 x 51	17	19°	8,0



Use the drilling coordinates in
blue figures for B8 lenses






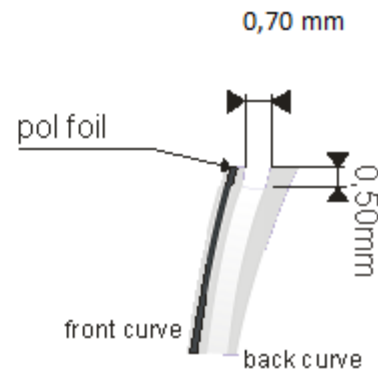
Due of the shape contour of these models a special milling machines is needed!

Nylor Glazing Fullrim

Explorer Line (Glass in Glass)

technical details for glazing

Mod.	BC				BC
	sunlens				opt. sunlens
8690	6,0	47 x39	17	14°	6,0
8155	6,0	49 x43	17	16°	6,0






Set the groove behind the pol foil

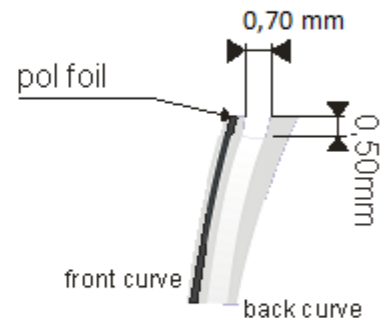
Groove width: 0,70mm/Groove depth: 0,5mm

Inline Glazing Fullrim Lens in Lens

Colorwave (Glass in Glass)

Mod.	BC				BC
	sunlens				opt. sunlens
8161	6,0	48 x 42	24	12°	6,0
8695	6,0	49 x 44	24	13°	6,0
8696	6,0	50 x 42	24	13°	6,0

technical details for glazing






Set the groove behind the pol foil

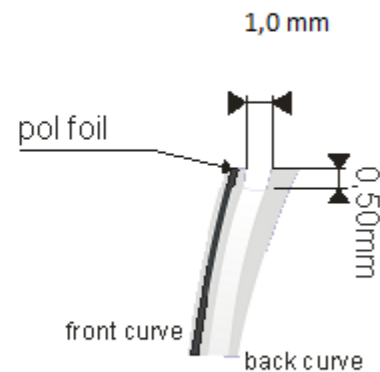
Groove width: 0,70mm/Groove depth: 0,5mm

Inline Glazing Fullrim Titanium

Titan Fullrim (Glass in Glass)

technical details for glazing

Mod.	BC				BC
	sunlens				opt. sunlens
8693	6,0	55 x 45	17	9°	6,0
8694	6,0	52 x 47	19	9°	6,0






Set the groove behind the pol foil

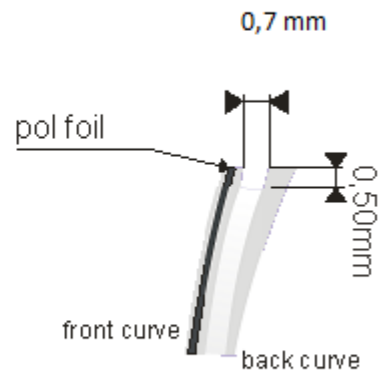
Groove width: 1,0mm/Groove depth: 0,5mm

Inline Glazing Fullrim SPX

Urban Sun

technical details for glazing

Mod.	BC				BC
	sunlens				opt. sunlens
3191	6,0	55 x 44	14	8°	6,0
4075	6,0	49 x 45	18	8°	6,0



Set the groove behind the pol foil

Groove width: 0,7mm/Groove depth: 0,5mm

Nylor Glazing

Nylor

Mod.

BC



sunlens

8685

6,0

54 x49

18

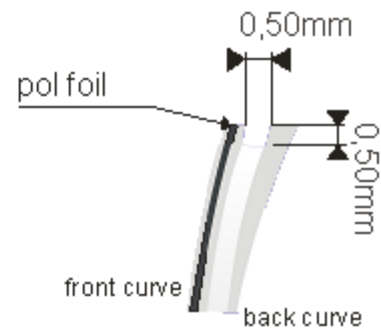
16°

technical details for glazing

BC

opt. sunlens

6,0



Set the groove behind the pol foil

Groove width: 0,50mm/Groove depth: 0,5mm

PRESCRIPTION WRAP LENS ORDERING

- Order wrap compensated free form lenses to match frame curve for all Silhouette Sun Frames
- We recommend high index 1.60, 1.67, polycarbonate and Trivex
- For aesthetic reasons, please consider finished lens edge thickness, especially with rimless mountings

Technical information per model



TMA Icon (RL) / Cat Eye 8154



Glazing | TMA Icon (RL) Cat Eye

- No prescription glazing possible due to lens size and hole in the lens
- Exchanging plano sun lenses is not a problem using Silhouette plier with purple tip and BLS 58



BLS 58 STANDARD	
Standard Glazing 	
lens size	2,0 - 6,5 mm
	
Ø 1,4 mm	

Inclination | TMA Icon (RL) Cat Eye

Inclination: hold the glasses with a plier and bend the temple in the requested direction





TMA Ultra Thin (RL) 8697, 8698



Glazing | TMA Ultra Thin (RL)

No RX glazing due to 9.0 base curve and possible lens thickness
Exchanging of plano sun lenses is not a problem using
Silhouette plier with blue tip and BLS 58



BLS 58 STANDARD	
Standard Glazing	
	
lens size	2,0 - 6,5 mm
	
1,4 mm	

Inclination | TMA Ultra Thin (RL)

Inclination: hold the glasses with a plier and bend the temple in the requested direction



Adventurer Aviator (RL) 8142, 8667












Glazing I Adventurer Aviator (RL)

Rx with 8 base curve lens.

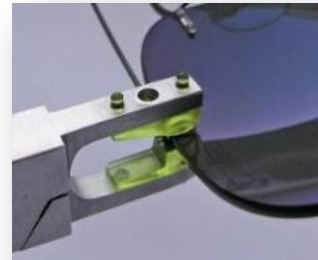
Mount using Silhouette plier with blue tip and BLS 58/98/97 depending on thickness

For browbar, use single hole Silhouette yellow plier tips and BLS 44

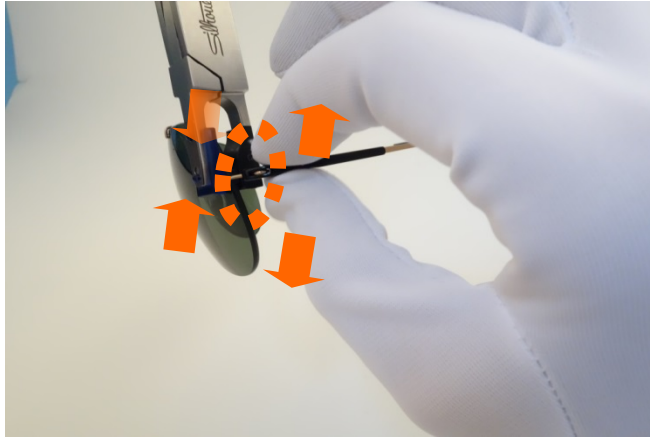


BLS 58 STANDARD	BLS 98 „long“	BLS 97 „short“
Standard Glazing 	for very thick lenses 	for very thin lenses 
 2,0 - 6,5 mm	 6 - 9,5 mm	 1,3 - 3 mm
		
Ø 1,4 mm	Ø 1,4 mm	Ø 1,4 mm

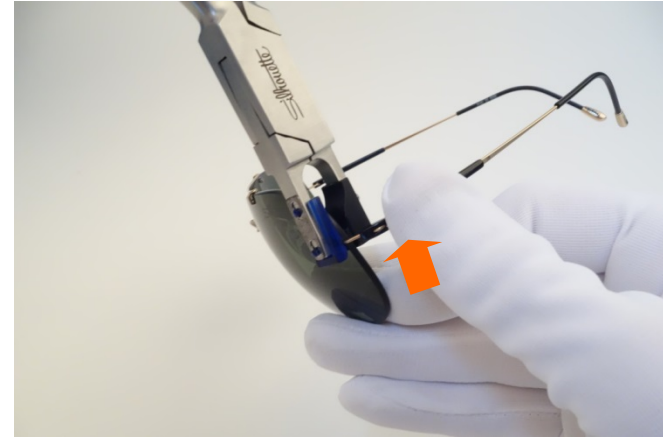
single hole



INCLINATION and ADJUSTMENT



1. Inclination: Hold lens fixation firmly.
2. Hold temple firmly in the area of the hinge and inclinate it gradually by hand.

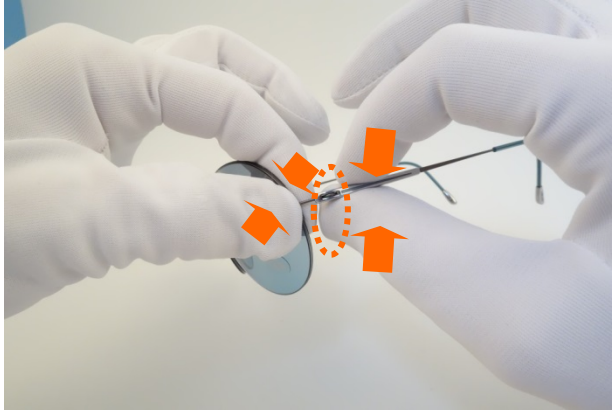


1. Temple opening: Hold lens fixation firmly.
2. Adjust temple opening angle by hand in the area of the hinge.

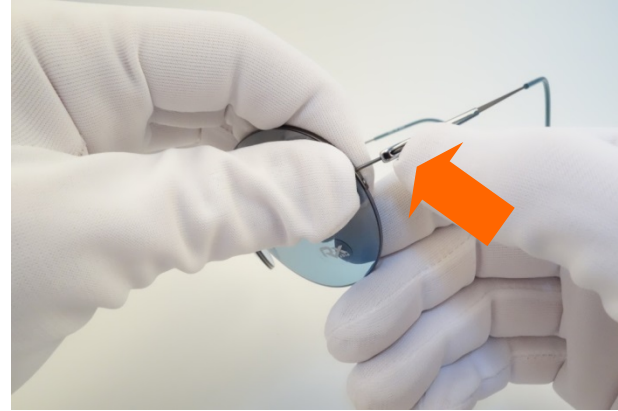
Adventurer Nylor 8685



INCLINATION and TEMPLE OPENING



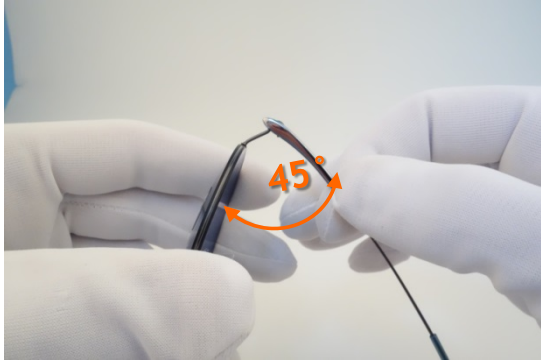
1. Hold eye rim firmly in the area of the side parts.
2. Fix temple in the hinge area and incline it by hand in small steps.



1. Adjust temple opening by pressure on the Snap-hinge and in small steps by hand.

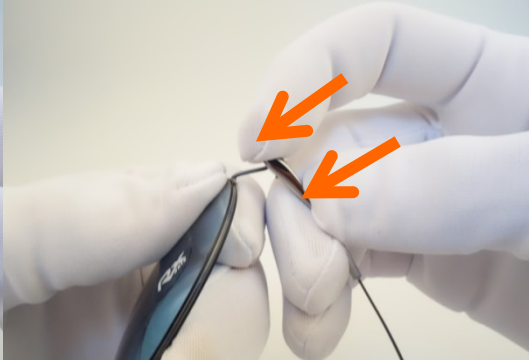
TEMPLE DISASSEMBLY

1



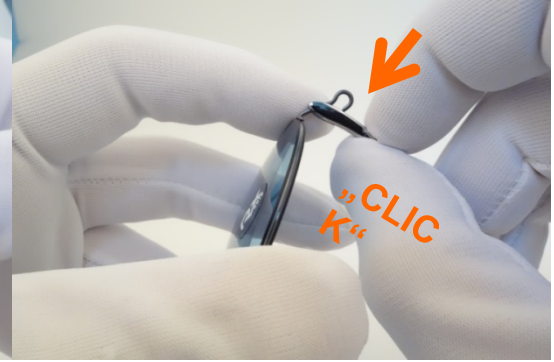
Support eye rim firmly in the area of the side parts. Fold temple by 45°.

2



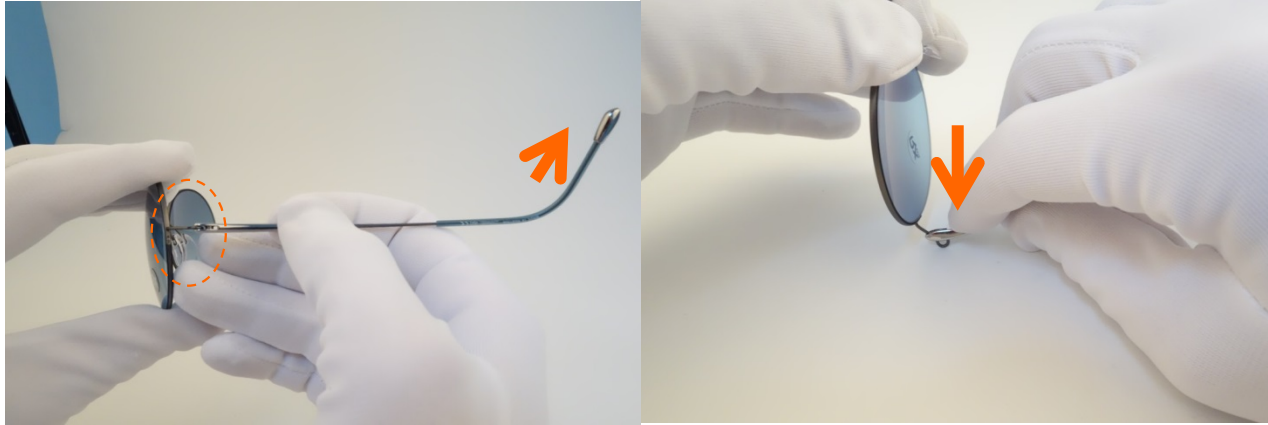
Place forefinger and thumb left and right of the hinge and press Temple out of the Snap-hinge.

3



Temple will come loose with a click. After this thread out temple by turning.

TEMPLE ASSEMBLY



1. Temple-end shows upwards.
2. Insert temple into hook and turn it by 180°.
3. Press temple into the Snap-Hinge.

NOTE: Clean the hinge before assembling the temple and cover it with Teflon Precision Lubricant (P 0030) on the inside curve of the hook.










Carbon T1 - 8686



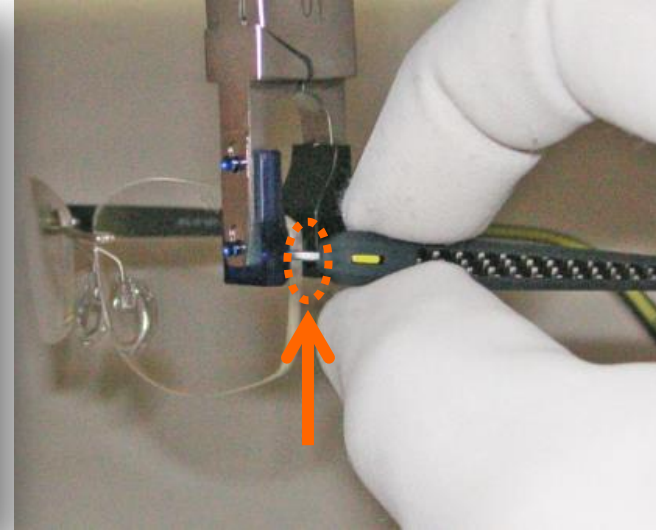
Glazing I Carbon T1 (RL)

- Glaze with 8 base Rx lens
- Use Silhouette plier with blue tip and BLS 58/98/97



BLS 58 STANDARD	BLS 98 „long“	BLS 97 „short“
Standard Glazing 	for very thick lenses 	for very thin lenses 
 lens size 2,0 - 6,5 mm	 6 - 9,5 mm	 1,3 - 3 mm
 1,4 mm	 1,4 mm	 1,4 mm

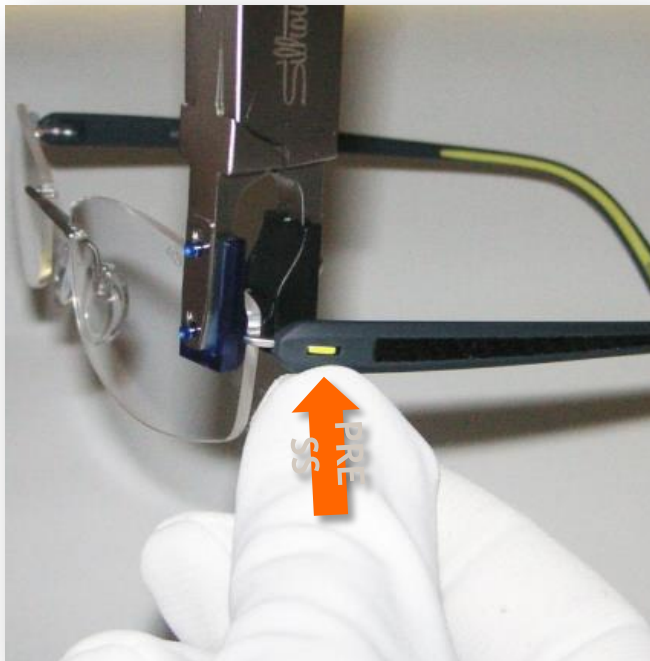
Inclination



1. Hold lens fixation in position with mounting pliers.
2. Open temple completely.
3. Enclose temple edge firmly and adjust inclination on titanium side part into requested direction.

Adjust Temple Opening

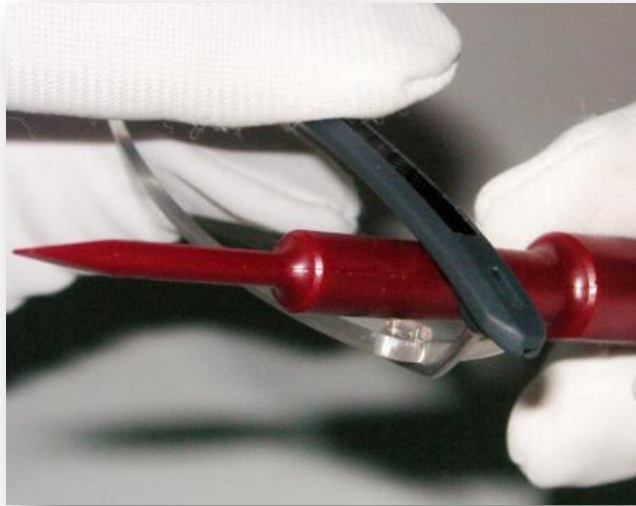
Reduce



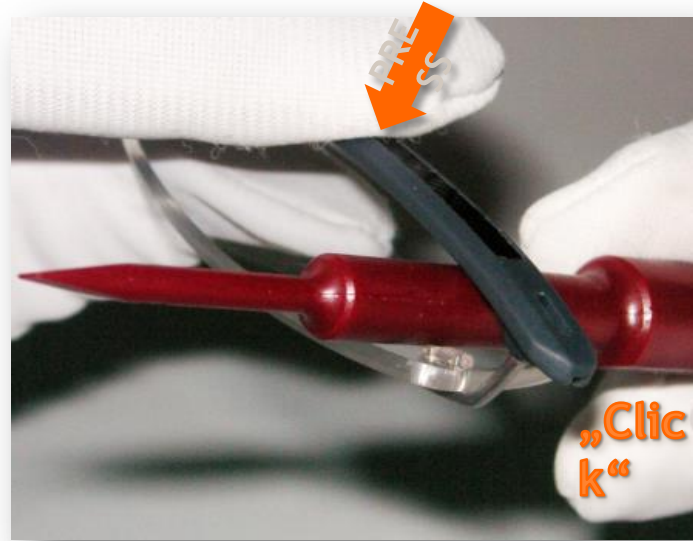
Enlarge



Temple Disassembly

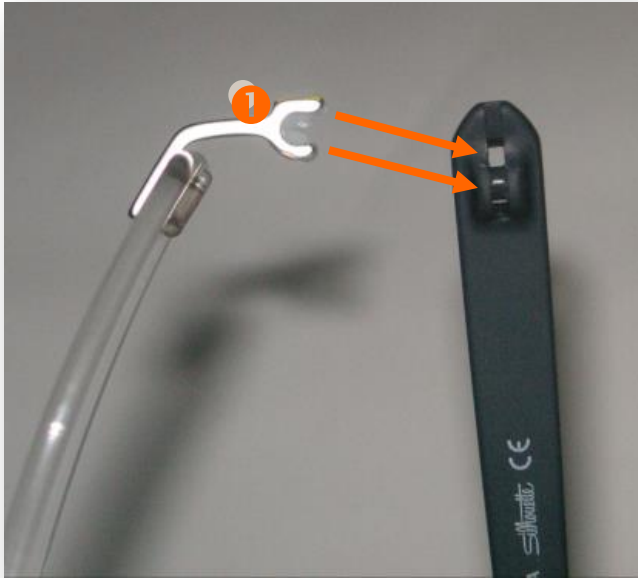


1. Place disassembly tool at hinge to the stop. Select diameter of rounded part according to distance between temple and lens.

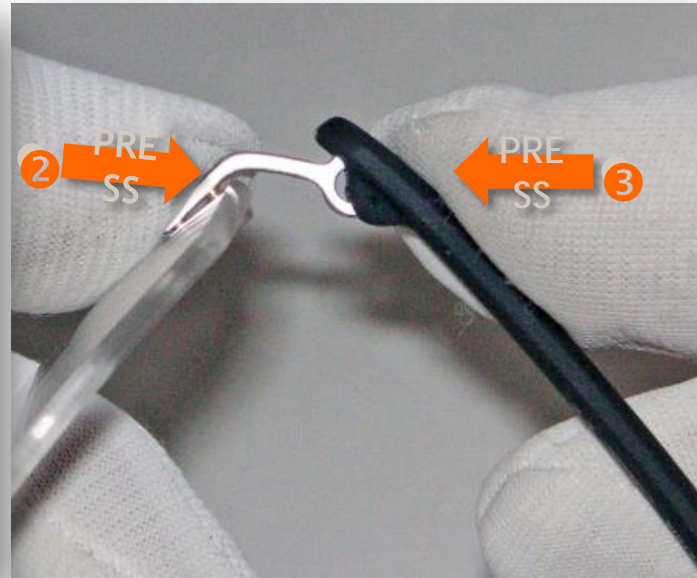


2. Close temple and press it using multi tool as a fulcrum
3. Temple will loosen with a "click".

Temple Assembly



1. Place metal hinge exactly at openings of SPX-temple.



2. Apply counter pressure on frame side part.
3. Press SPX-temple into titanium side part.



Explorer Line 8690, 8155



RX Glazing Inline|Explorer Line

- Use 6.0 base curve lenses for Rx glazing
- Lenses with flatter base curve should have 5.0 base curve groove cut into lens edge
- Sleeves are replaceable using Silhouette plier with purple tip and BLS 58



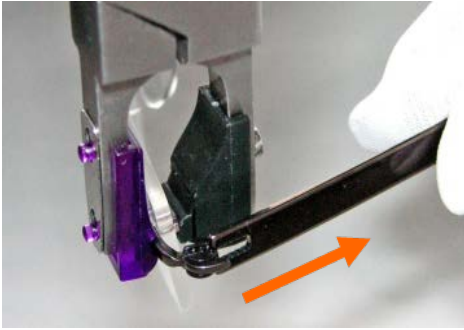
BLS 58 STANDARD	
Standard Glazing	
	
Lens size	2,0 - 6,5 mm
	
1,4 mm	

Inclination of Disc Hinge

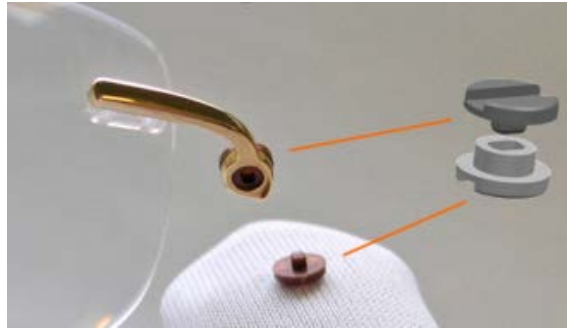
Support lens mounting with plier and adjust inclination with the white tool from the mounting box



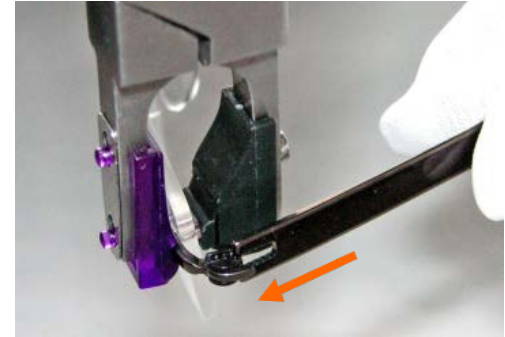
Exchange Disc Hinge & Temple



While supporting lens mounting, pull temple backward from disc



Press the disc halves into the hinge and gently squeeze with a plier



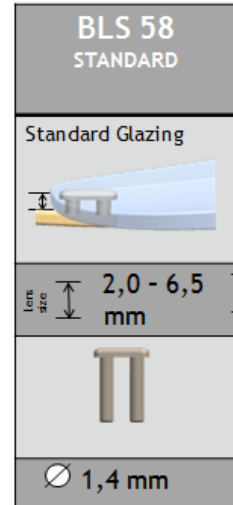
While supporting lens mounting, press temple on to hinge disc

The Infinity Collection 8161, 8695, 8696



RX Glazing Inline | The Infinity Collection

- Use 6.0 base curve lenses for Rx glazing
- Lenses with flatter base curve should have 5.0 base curve groove cut into lens edge
- Sleeves are replaceable using Silhouette plier with purple tip and BLS 58



Inclination | The Infinity Collection

Inclination: hold the chassis mounting with a plier and bend the temple in the required direction



Temple Disassembly | The Infinity Collection



1. Hold lens mounting firmly with your fingers
2. With the other hand grasp the partially closed temple directly behind the hinge and push it in the direction of the lens
3. Turn the temple 180° to the front and slide it off the end piece.

Temple Assembly | The Infinity Collection



1. Hold lens mounting firmly with your fingers
2. With temple upside down insert the front hole of the temple hinge onto the end piece.
3. Slide the temple all the way onto the end piece so it is next to the lens.
4. Rotate the temple 180° so temple tip is facing down. Snap hinge into end piece.




Dynamics Colorwave (8693, 8694)

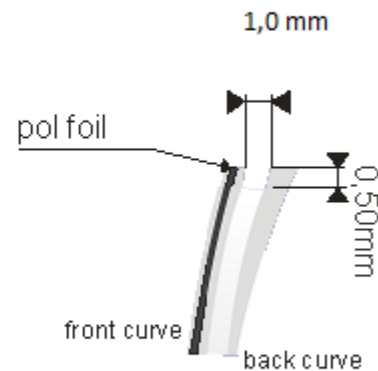


Dynamics Colorwave | Special groove width

Titan Fullrim (Glass in Glass)

technical details for glazing

Mod.	BC				BC
	sunlens				opt. sunlens
8693	6,0	55 x 45	17	9°	6,0
8694	6,0	52 x 47	19	9°	6,0



Set the groove behind the pol foil

Groove width: 1,0mm/Groove depth: 0,5mm

Dynamics Colorwave | Enclosed Rubber Ring



Place the enclosed rubber ring into the groove of the lens

Dynamics Colorwave | Insert the Lens



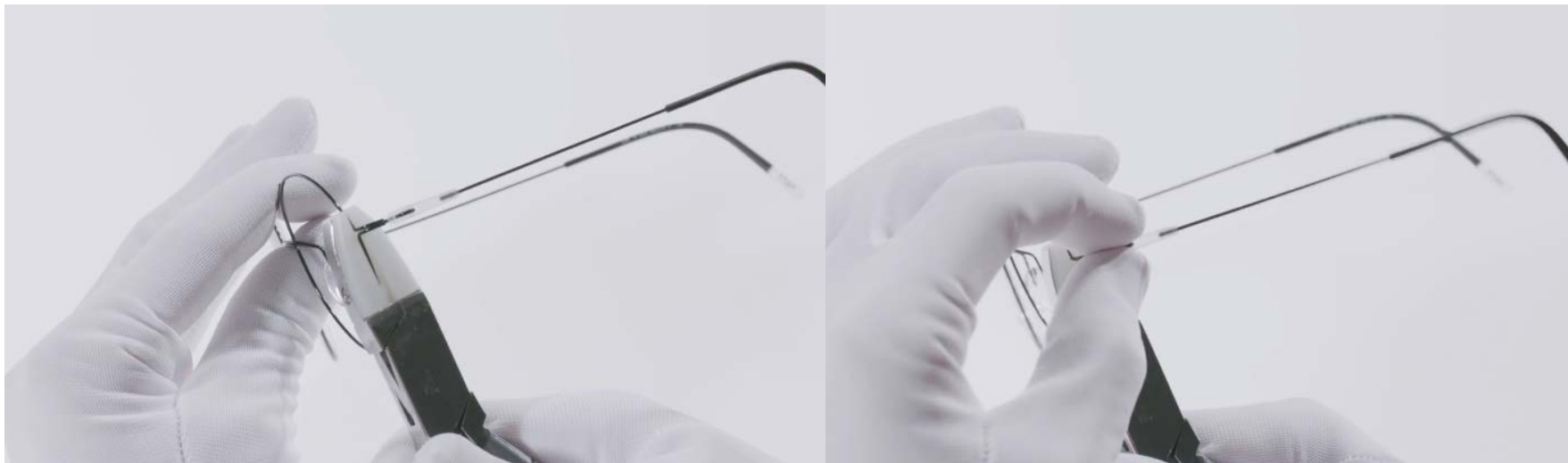
1. Insert the lens from the rear, starting from the nasal corner to the temporal corner.
2. Continue pulling the lower titanium rim around the lens edge.

Dynamics Colorwave | Remove the Lens



1. Thread the Silhouette thread between the lens and frame at the temporal gap and slide it to the lower edge of the frame.
2. Separate the lower Titanium edge with the Silhouette thread and remove the lens.

Dynamics Colorwave | Inclination



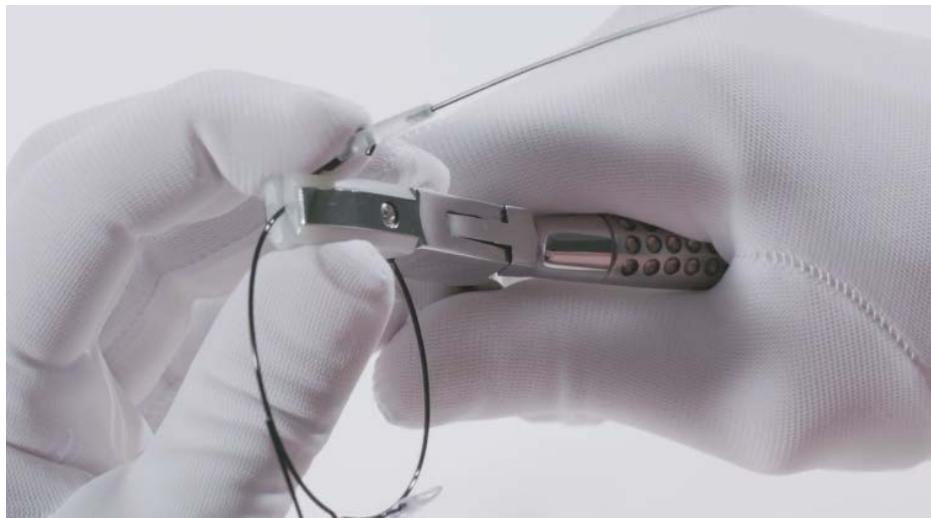
1. Open the temple.
2. Hold the frame by the end piece with double padded pliers.
3. Incline the temple at the hinge.

Dynamics Colorwave | Temple Opening Enlarge



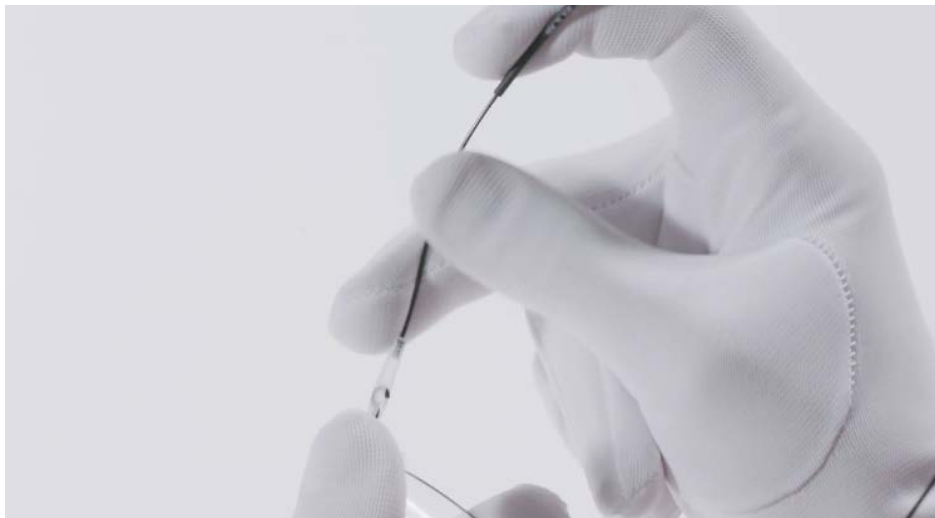
1. Ideally, remove the lens
2. Open the temple
3. Hold the frame by the end piece with your padded pliers
4. Press the temple outward with your thumb

Dynamics Colorwave | Temple Opening Reduce



1. Ideally, remove the lens
2. Open the temple.
3. Hold the frame by the end piece with padded pliers
4. Press the temple inward with your thumb

Dynamics Colorwave | Temple Contouring



Use large curves to adjust the temple to fit the head

Dynamics Colorwave | Temple end Adjustment



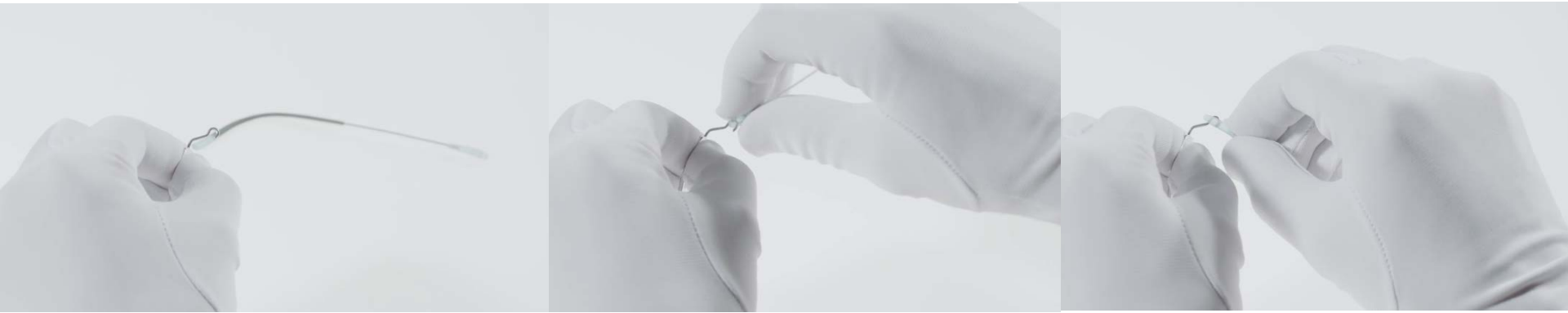
Adjust the temple to the ear shape with large curves. During temple-end adjusting do not put pressure on the temple tip.

Dynamics Colorwave | Temple Removal



1. Hold the frame by the hinge area firmly with your fingers.
2. With the other hand grasp the partially closed temple directly behind the hinge and push it in the direction of the lens
3. Turn the temple 180° to the front and slide it off the end piece.

Dynamics Colorwave | Temple Mounting



1. Hold lens mounting firmly with your fingers. With temple upside down insert the front hole of the temple hinge onto the end piece.
2. Slide the temple all the way onto the end piece so it is next to the lens.
3. Rotate the temple 180° so temple tip is facing down. Snap hinge into end piece.

Urban Sun 3191, 4075



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AUTHENTIC EYEWEAR. SINCE 1964.

Urban Sun | Glazing

Attention: Do not heat frame for lens insertion. Lenses must be resized if too large!

1. Insert lens from behind!

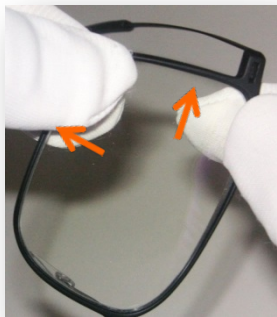
Note: mounting from the front could cause cracking



2. First insert whole side of lens on upper edge of frame



3. Continue to Temporal and lower eyewire



4. Finally push frame edge over lens edge nasally



Urban Sun | Inclination

1. Hold front frame firmly by hand in area of side part
2. Cover temple edge closely and adjust inclination at titanium side part



Urban Sun | Temple Removal

1. Close temple



2. Pull temple hinge out of SPX-front



Urban Sun | Temple Mounting

1. Place hinge into slot in front
2. Press temple edge softly into SPX-front



Urban Sun | Temple Adjustment

1. Adjust temple curving in large movements
2. Metal core inside temple enables cold adjustment

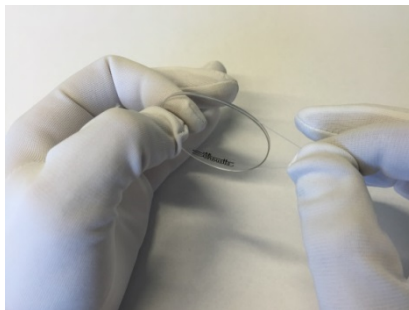


Urban Sun | Model 4075

A rubber ring is enclosed with each frame which must be inserted in the groove of the lens

This prevents twisting of the lens.
Especially effective with round lens shapes

Spare Part Number: P00009900250300



TMA Atwire 8162, 8163











Glazing | TMA Atwire

Non Rx style due to lens size and multiple holes
No pattern, OMA file or drill charts available

Plano sun lenses can be exchanged using
Silhouette plier with purple tip and BLS 44



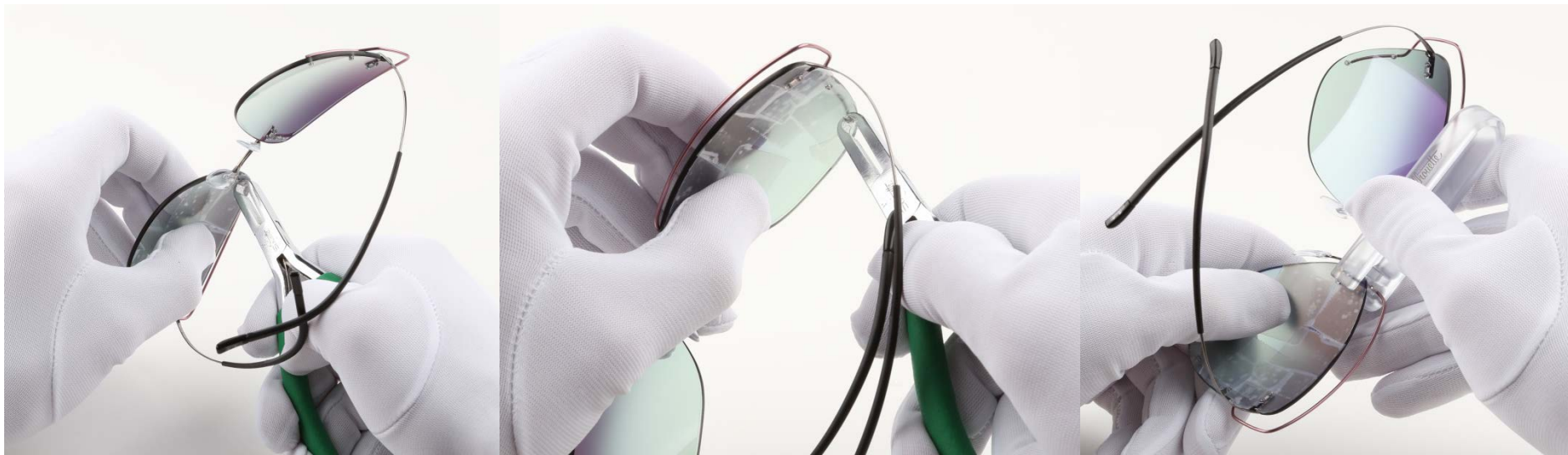
BLS 58 STANDARD	BLS 44 „single“
Standard Glazing 	Single Halterung 
lens size  2,0 - 6,5 mm	 2,0 - 6,5 mm
	
 1,4 mm	 1,4 mm

TMA Atwire | Glazing



Affix protective film around BLS to protect the lens.

TMA Atwire | Glazing with replacement planos



Carefully clip off the BLS head, but without damaging the 2mm long fixation pins. First remove the glass accessor

TMA Atwire | Glazing with replacement planos



Secondly remove the temple and the bridge.

TMA Atwire | Glazing glazing with replacement planos



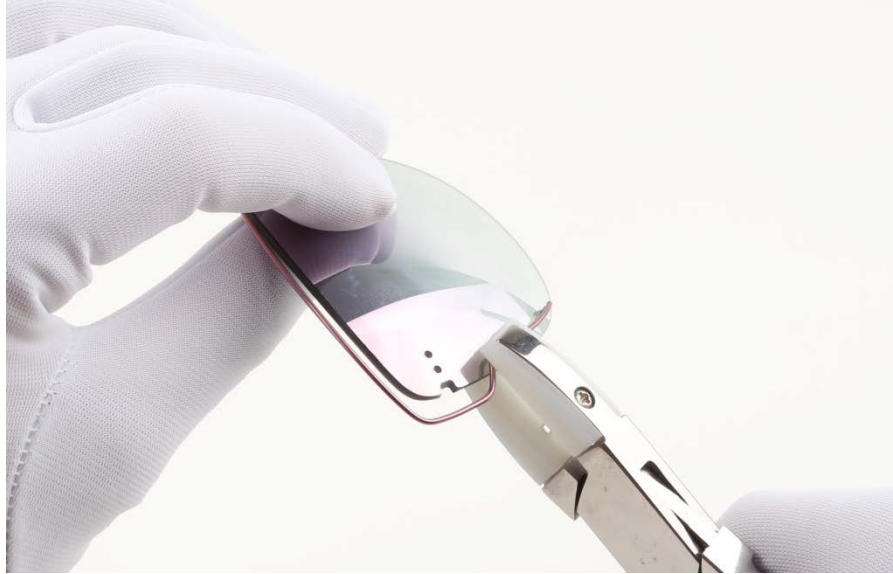
Carefully remove remains of plastic from the fixation pins.
NOTE: Fixation pins, barbed hooks, surfaces must NOT be damaged!
Cuttings and grooves could cause breakages!

TMA Atwire | Glazing with replacement planos



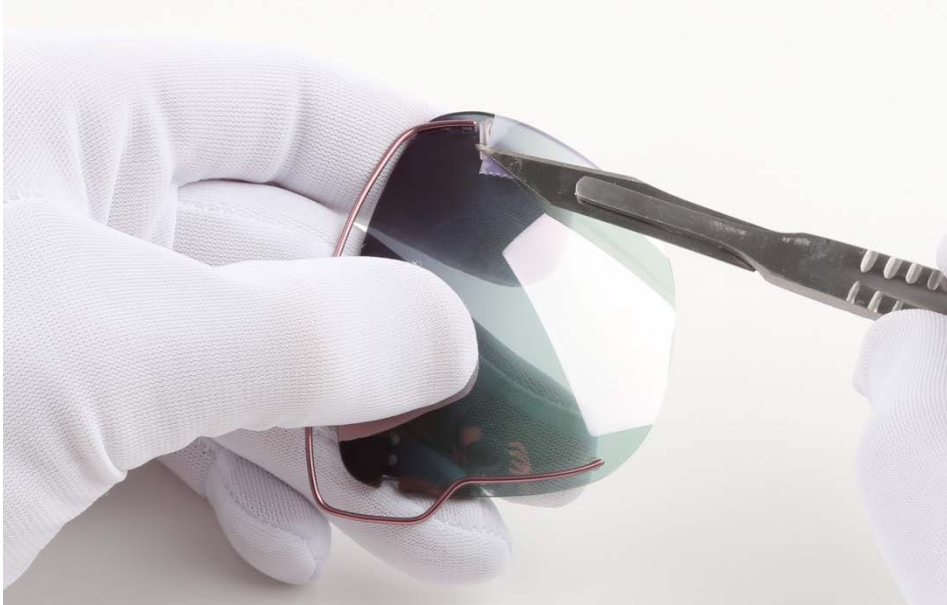
Insert BLS from the back and cut them with the BSL - Cutter

TMA Atwire | Glazing with replacement planos



Always mount the lens accessory first.

TMA Atwire | Glazing with replacement planos



Cut the nasal BLS with an scalpel or when it is possible with the
BLS - Cutter

TMA Atwire | Glazing with replacement planos



NOTE: Always support the mountings from above to prevent lens damage!

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