

SUN Collection 2017

Technical Instructions

Silhouette[®]

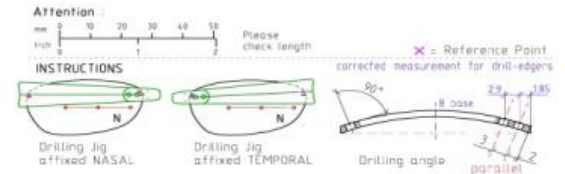
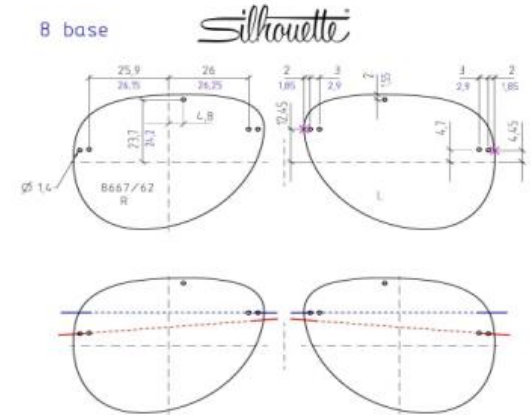
AUTHENTIC EYEWEAR. SINCE 1964.



Rimless Rx glazing information

Drilling coordinates and OMA shape files are available at www.silhouettelab.com

Patterns available from customer service



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
8673	6,0	60 x49	16	16°	6,0
8674	6,0	60 x49	16	16°	6,0
8685	6,0	54 x49	18	16°	6,0
8153	6,0	57 x43	16	18°	6,0
8689	6,0	57 x46	17	15°	6,0
8690	6,0	47 x39	17	14°	6,0
8155	6,0	49 x43	17	16°	6,0

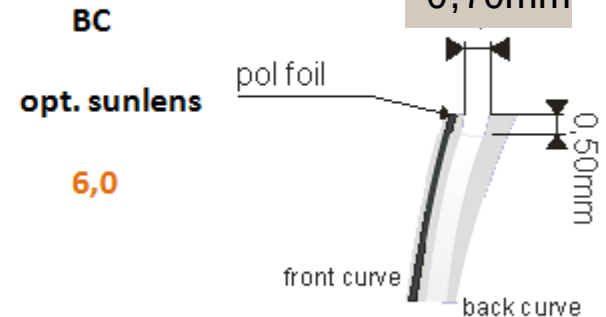
Nylor Glazing

Nylor

Mod.	BC			
	sunlens			
8685	6,0	54 x49	18	16°

Set the groove behind the pol foil

technical details for glazing



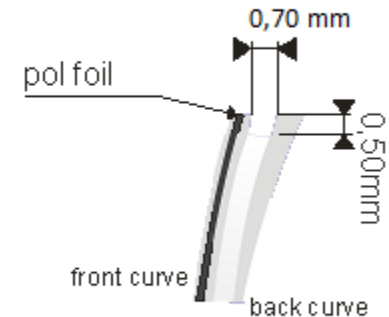
Groove width: 0,70mm/Groove depth: 0,5mm

Inline Glazing Fullrim

Fullrim (Inline Glazing)

technical details for glazing

Mod.	BC				BC
	sunlens				opt. sunlens
8153	6,0	57 x43	16	18°	6,0
8689	6,0	57 x46	17	15°	6,0



Set the groove behind the pol foil

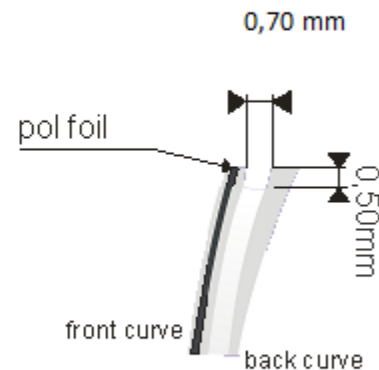
Groove width: 0,70mm/Groove depth: 0,5mm

Inline 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

6.0 and 8.0 base curve lens ordering

- Match base curve of Rx lens to base curve of sunglasses
- Specify *spherical freeform wrap compensated* lens design
- High index lenses 1.60, 1.67 or polycarbonate recommended
- For aesthetic reasons, consider thickness of finished lens edge
- Blended lenticularization may be needed to reduce lens edge thickness

Glazing rimless

TOOLS: Mounting and Pliers Box

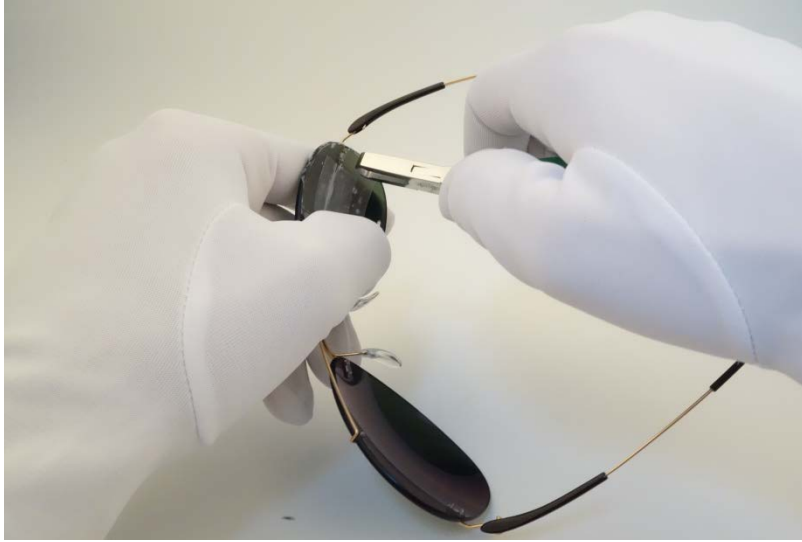


P 0033 Mounting Box
P 0033 00 0000 2014

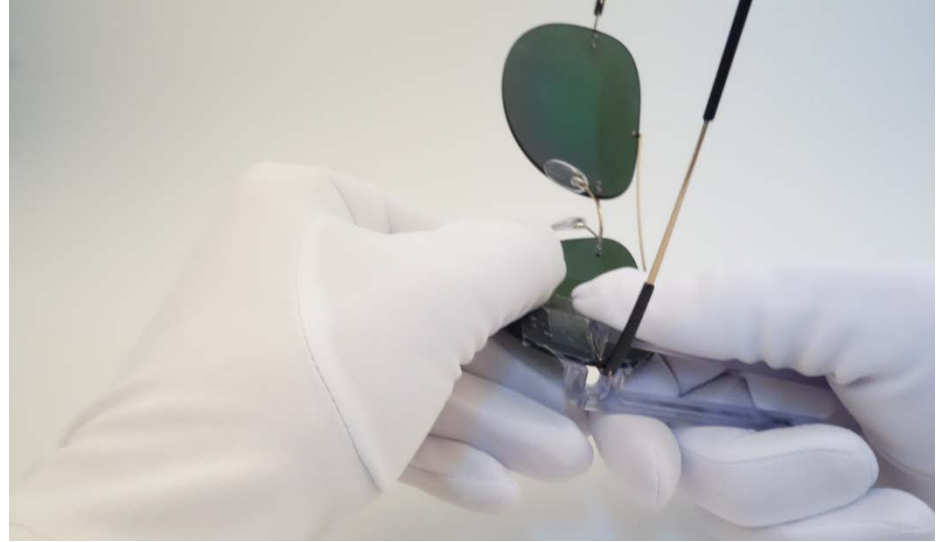


P0031 Pliers Box
P 0031 00 0000 0000

Disassemble Lenses



1. Cut head of plastic sleeves with the disassembly pliers P0004. Be careful to not cut metal frame parts



2. Press frame parts out of drill holes with clear disassembly tool.

Remove remaining BLS sleeve material

Use green disassembly pliers

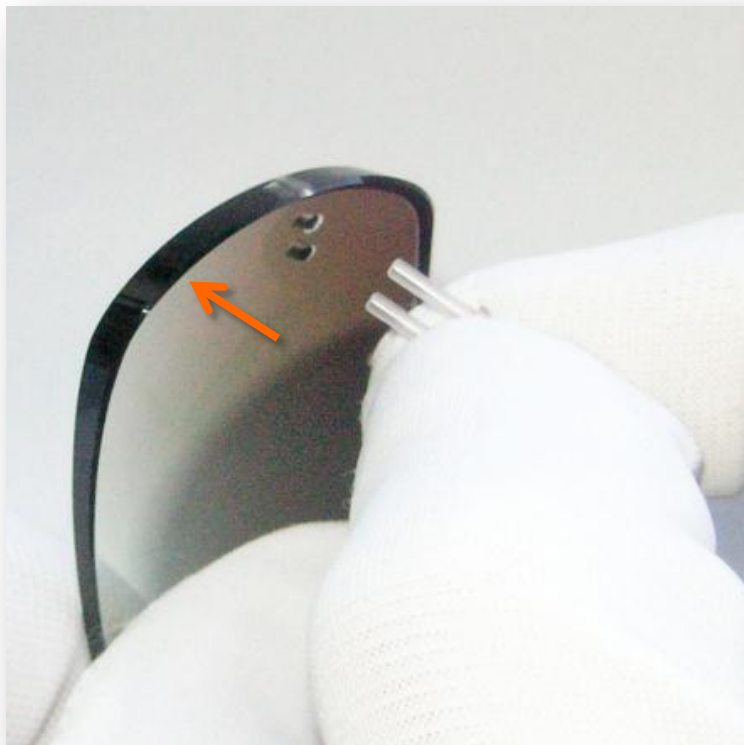


or a standard diagonal cutter.



1. Carefully remove sleeve remnants from the fixation pins.
2. NOTE: Fixation pins, barbed hooks and surfaces must NOT be damaged!

Press in Plastic Sleeves - Cut

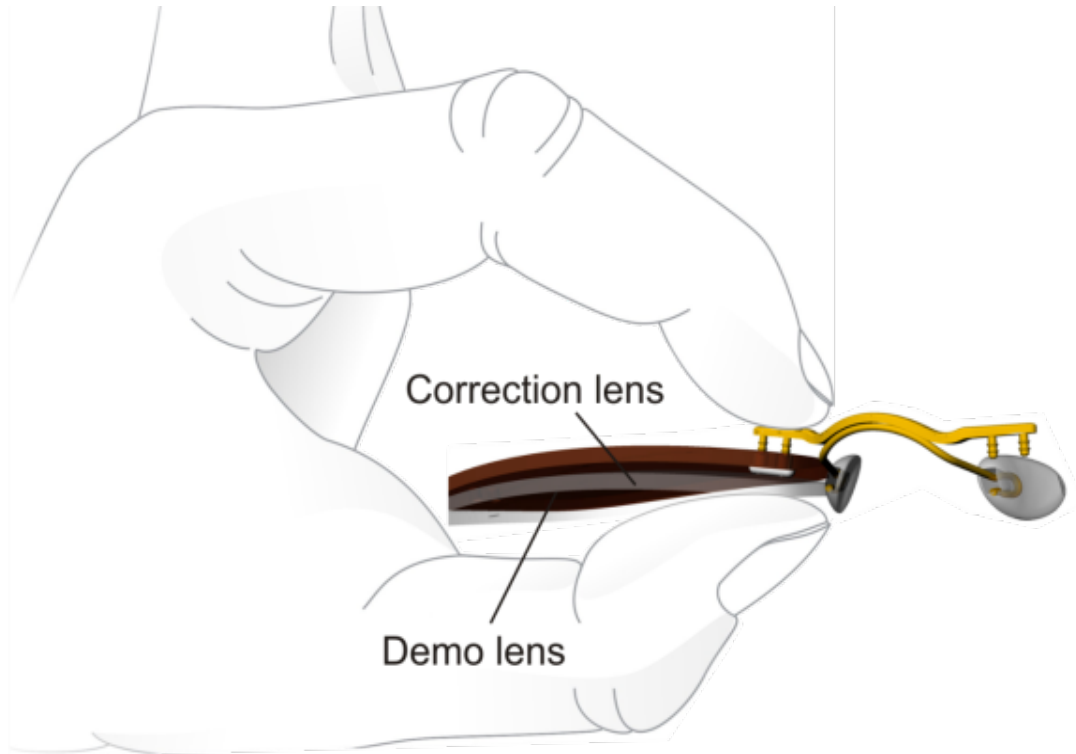


The lens must be clean!



Cut sleeves with BLS cutter

Press in Frame Parts by Hand

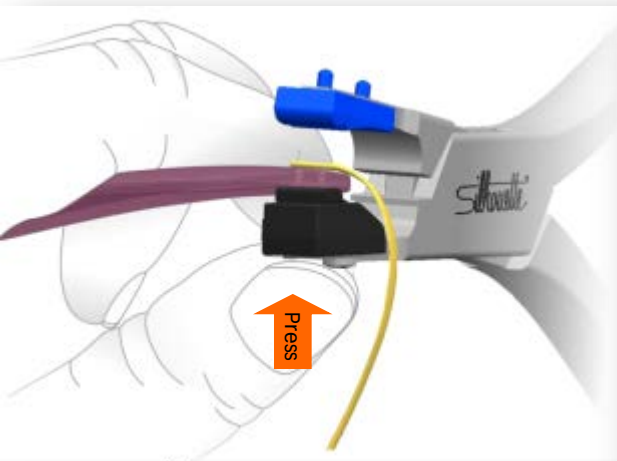


Remove marks. Lens must be clean!

Press in frame parts by hand.

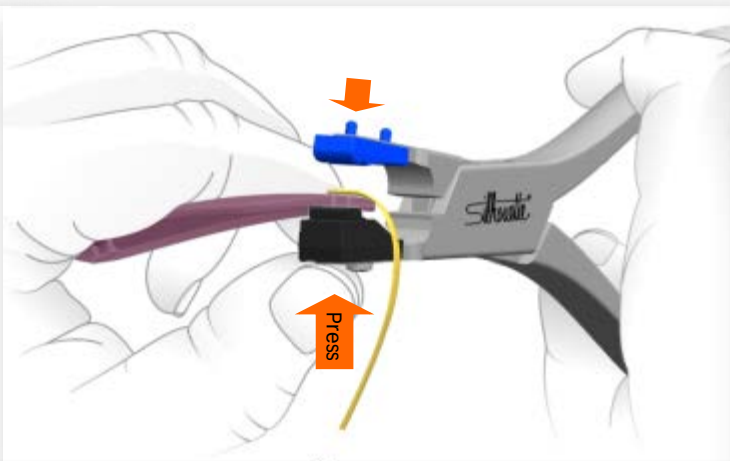
Use a demo lens to apply counter pressure on the head of the plastic sleeves.

Fix Frame Parts with Mounting Pliers



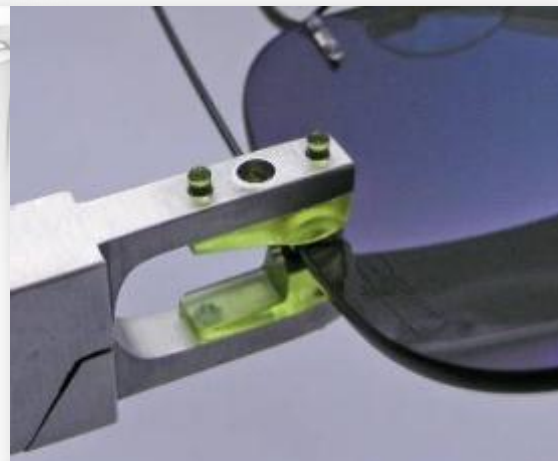
1

Place plier black pivoting part on to head of the BLS sleeve and press it into lens.



2

Hold counter pressure against BLS pivoting part. Then close pliers and press frame parts into BLS sleeve in one motion.



3

Single hole:

For mounting BLS 44 in single holes use vertical green plier tips AC 265 + AC 266.

Technical information per model

TMA Icon 8154, 8156, 8157, 8691 Rimless Sun



Glazing | TMA Icon 8154, 8156, 8157, 8691

- **PLANO ONLY - NO OMA SHAPE FILE OR PATTERNS AVAILABLE**
- **Exchange of plano lenses is achieved 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 | TMA Icon 8154, 8156, 8157, 8691

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



TMA Icon 8688 / Aviator



Rx Glazing | TMA Icon 8688 / Aviator

Rx lens Base 8.0, Silhouette plier with purple 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 | TMA Icon 8688 Aviator

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



Adventurer Aviator 8667



Rx Glazing - Adventurer Aviator 8667

Rx lens Base 8.0, Silhouette plier with blue tip and BLS 58/98/97. For the single hole use Silhouette yellow plier tips and BLS 44



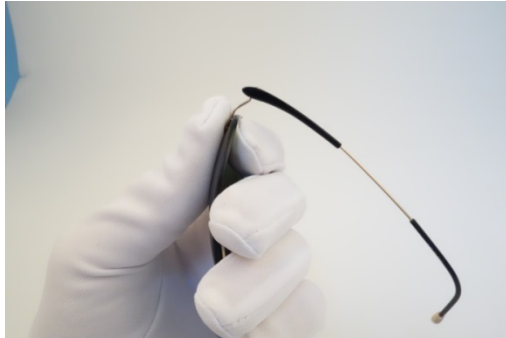
BLS 58 STANDARD	BLS 98 „long“	BLS 97 „short“
Standard Glazing	for very thick lenses	for very thin lenses
2,0 - 6,5 mm	6 - 9,5 mm	1,3 - 3 mm
1,4 mm	1,4 mm	1,4 mm

single hole

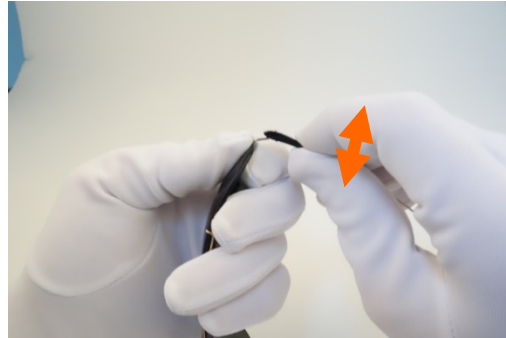


Temple disassembly - Adventurer Aviator 8667

1



2



3

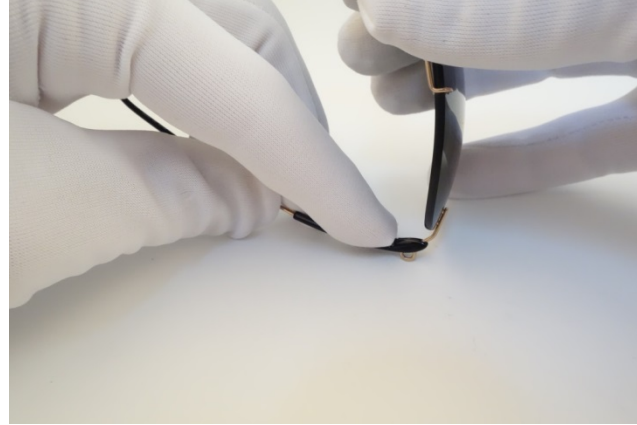
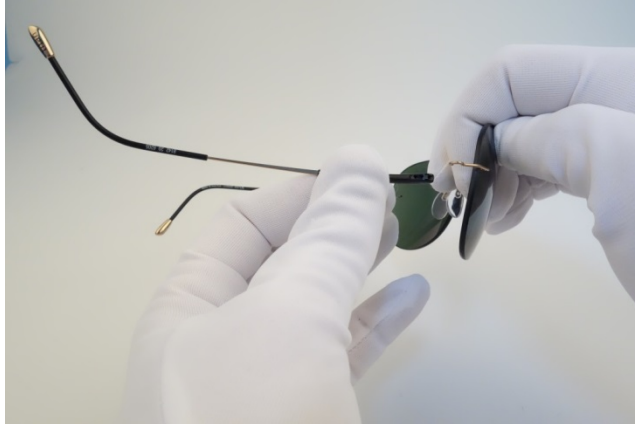


Support side parts firmly.
Fold temple to 45°

Press temple out of the
snap-hinge.

Temple will come
loose with a click.

Temple assembly - Adventurer Aviator 8667

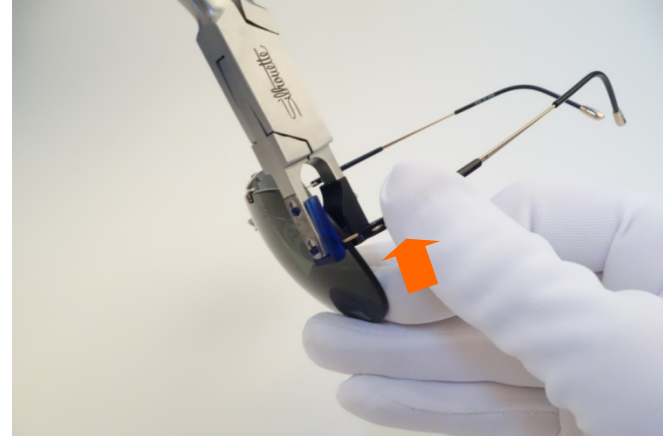
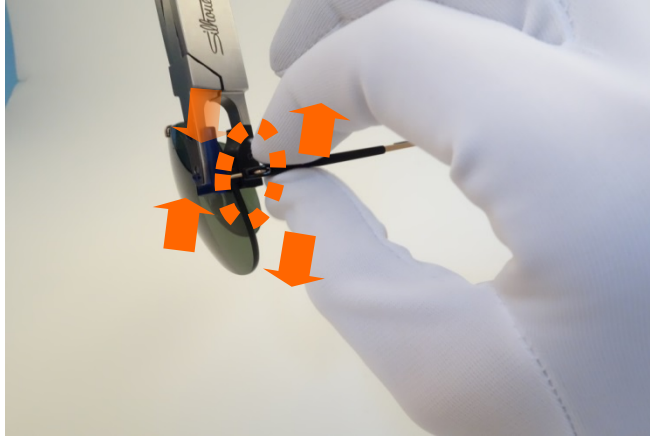


1. Temple-end starts inverted.
2. Insert temple into hook and turn it to 180° .

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

1. Place it on a safe table surface.
2. Press temple into the Snap-Hinge.

Adjustment - Adventurer Aviator 8667



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

1. Temple opening: Hold lens fixation firmly with plier.
2. Adjust temple opening angle by hand at the endpiece.

Adventurer 8685 (Nylor)



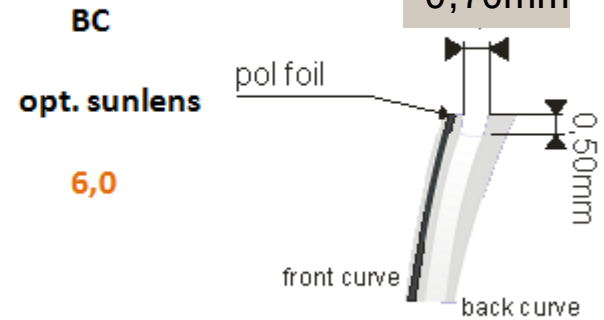
Nylor glazing

Nylor

Mod.	BC			
	sunlens			
8685	6,0	54 x49	18	16°

Set the groove behind the pol foil

technical details for glazing

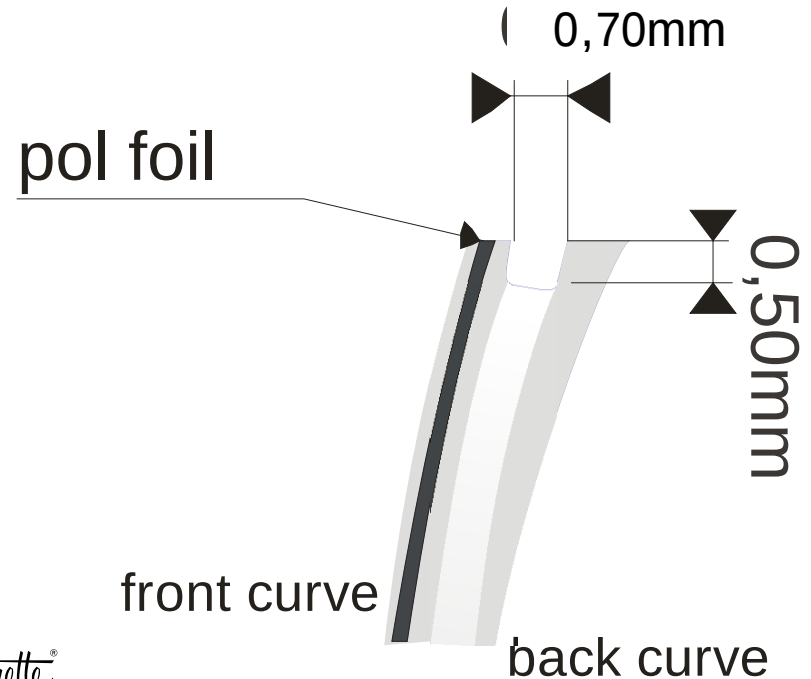


Groove width: 0,70mm/Groove depth: 0,5mm

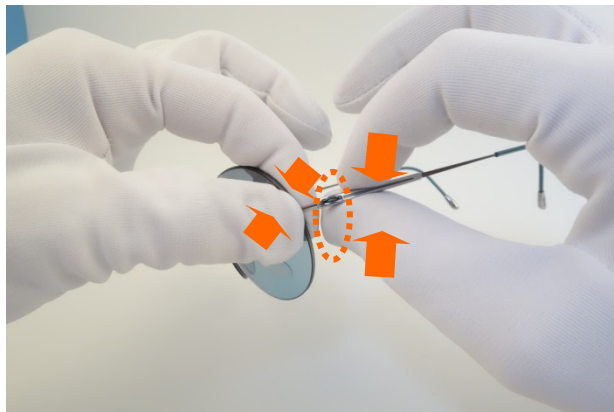
Rx Glazing - Adventurer 8685 Nylon

RX lens 6 Base Nylon glazing - please notice the lens groove sizes

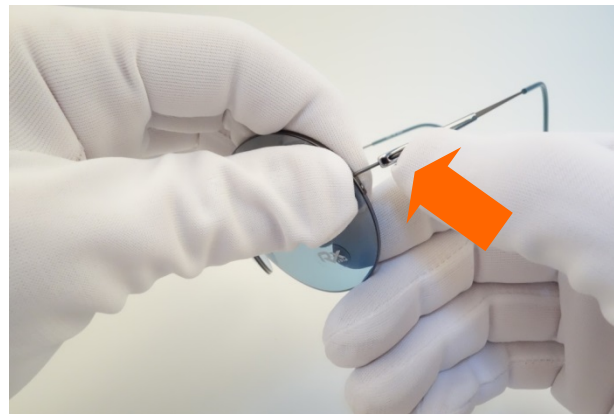
- When glazing with polarized lens, groove must be behind the polarizing film layer (foil)



Adjustment - Adventurer 8685



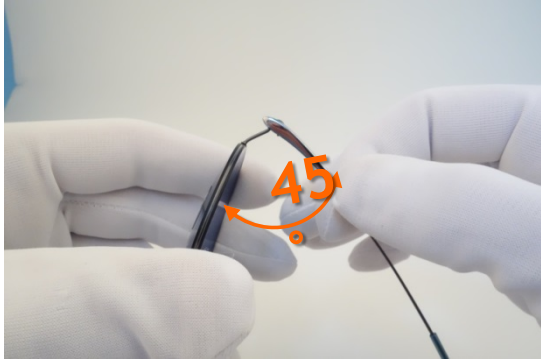
1. To adjust inclination, hold eye rim firmly in the area of the endpiece.
2. Hold temple in the endpiece and incline it by hand to desired position



1. Adjust temple opening by applying pressure on the snap hinge and in small steps by hand.

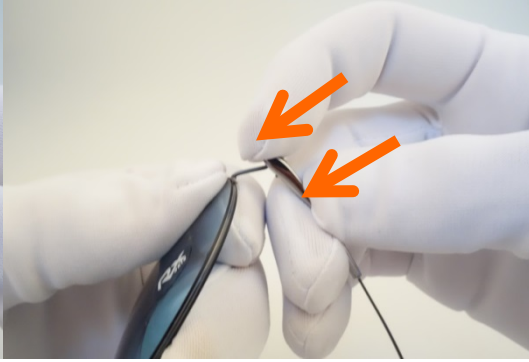
Temple disassembly - Adventurer 8685

1



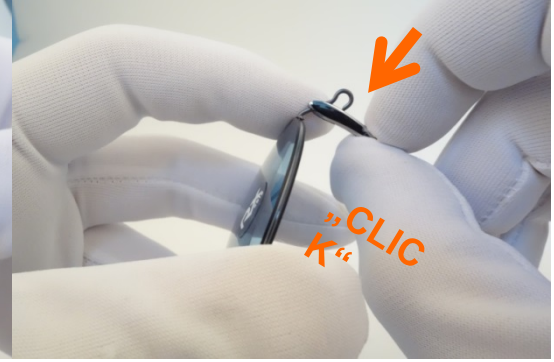
Support eye rim firmly in the area of the side parts. Fold temple by 45°.

2



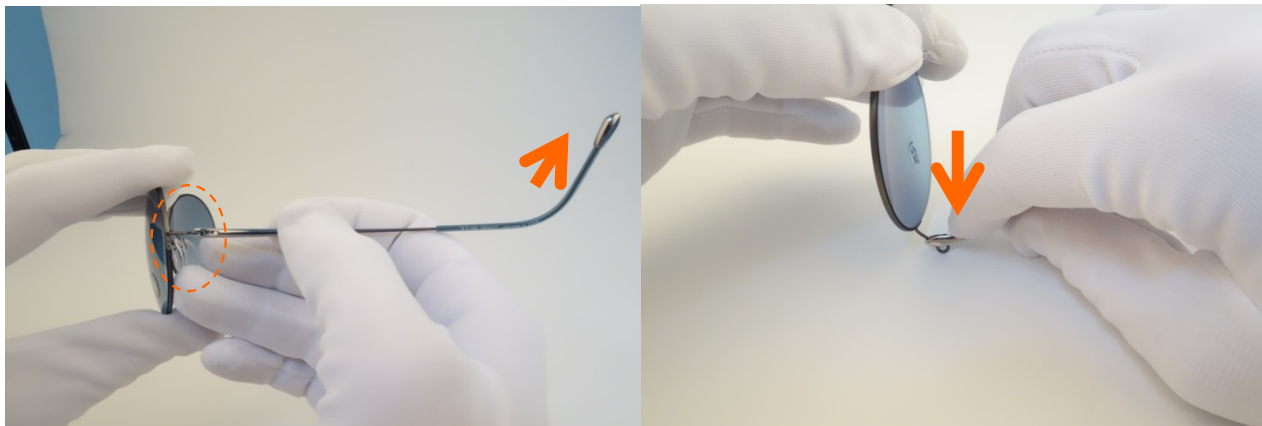
Place forefinger and thumb left and right of the hinge and press temple out of the snap-hinge.

3



Temple will come loose with a click. Rotate temple 180 to remove

Temple assembly - 8685



1. Temple end starts inverted.
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.

Titan Contour 8153 Fullrim

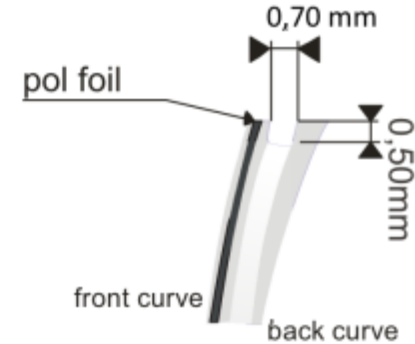


Inline glazing fullrim

Fullrim (Inline Glazing)

technical details for glazing

Mod.	BC				BC
	sunlens				opt. sunlens
8153	6,0	57 x43	16	18°	6,0
8689	6,0	57 x46	17	15°	6,0



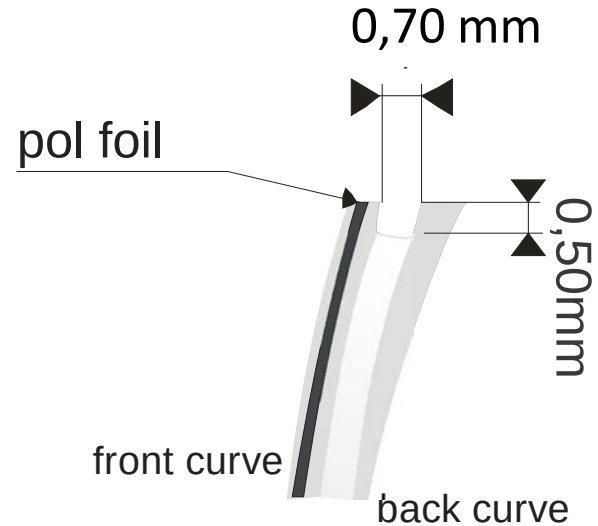
Set the groove behind the pol foil

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

Glazing I Titan Contour

RX lens 6.0 Base curve nylor glazing - please notice the lens groove sizes

- **When glazing with polarized lens, groove must be behind the polarizing film layer (foil)**



Lens Removal – Titan Contour



Insert Silhouette glazing tool into frame gap



Inserting the Silhouette glazing tool

Lens Removal



Lift up the top of the frame



Tilt lens forward and remove it

Lens Insertion – Titan Contour



Insert the lens from back of frame

- nasal first
- top rim
- bottom

Thread in the Silhouette glazing tool temporally

Lens Insertion



- Place Silhouette glazing tool behind the temple
- Lift up the frame and pull the frame into the groove



Pull out the glazing tool

Inclination – Titan Contour

- Remove lens
- Hold the frame with a plier
- Inclinate at the hinge



Adjust Temple Opening – Titan Contour

Remove lens and hold the frame with a padded plier

- Reduce:
 - press at the hinge with thumb to the inside
- Enlarge:
 - press at the hinge with the index finger to the outside



Exchange Temple



- Hinge can be removed without the use of the leverage tool
- Close temple and pull temple away from frame front
- Lubricate the hinge opening with teflon before reassembly



Exchange temple



Press temple into the hinge with the thumb, being sure to support endpiece

Adjust temple behind ear

Temple bending:



1. Straighten temple in steps

Cogged titanium profile



2. Bend in small steps the requested curve

Carbon T1 8686 Rimless



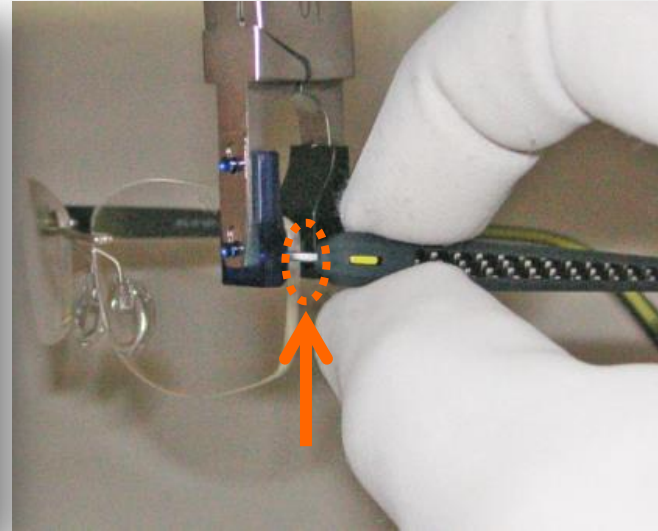
Glazing I Carbon T1

Rx lens Base 8, 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
		
Ø 1,4 mm	Ø 1,4 mm	Ø 1,4 mm

Inclination

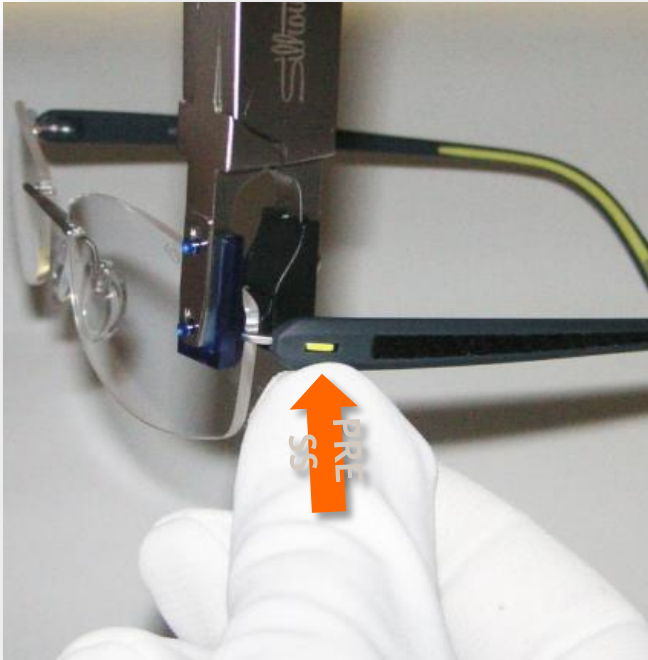


1. Hold lens fixation in position with mounting pliers.
2. Open temple completely.

3. Enclose temple edge firmly and adjust inclination on titanium side part into requested direction.

Adjust Temple Opening

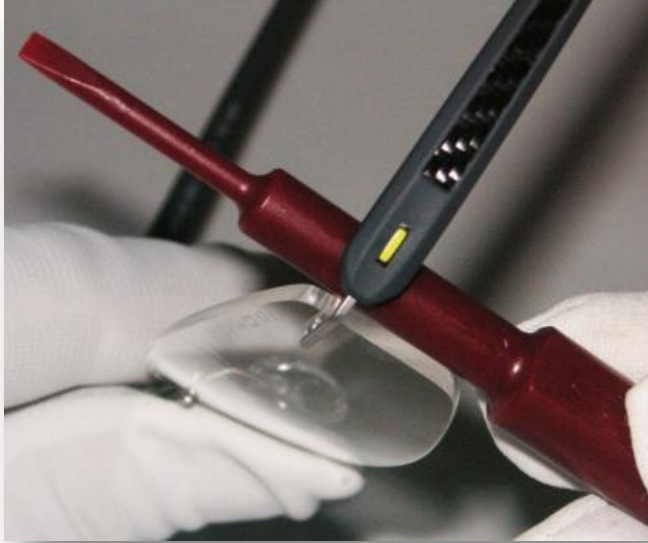
Reduce



Enlarge



Temple Disassembly

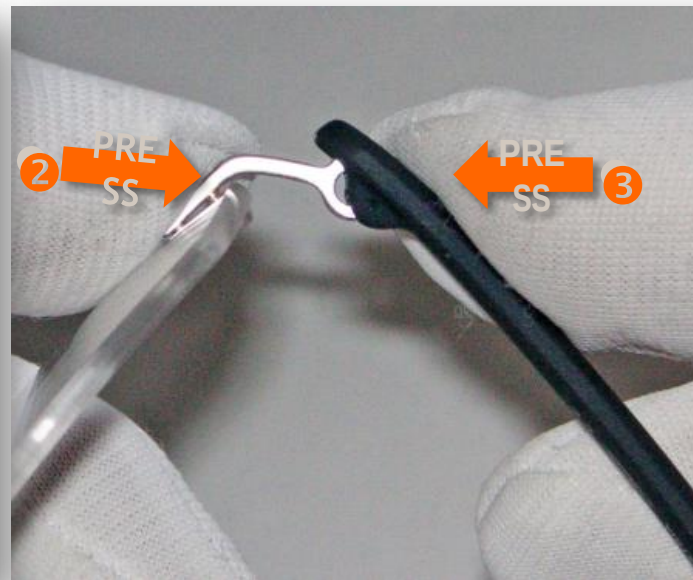


1. Place red disassembly tool at hinge to the stop. Select diameter of rounded part according to distance between temple and lens.
2. Close temple and press as shown using red tool as a fulcrum.
3. Temple will release with a “click”.

Temple Assembly



1. Place 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 8155 / 8690 (Lens in lens adapter)



Adapter part glazing - Explorer Line

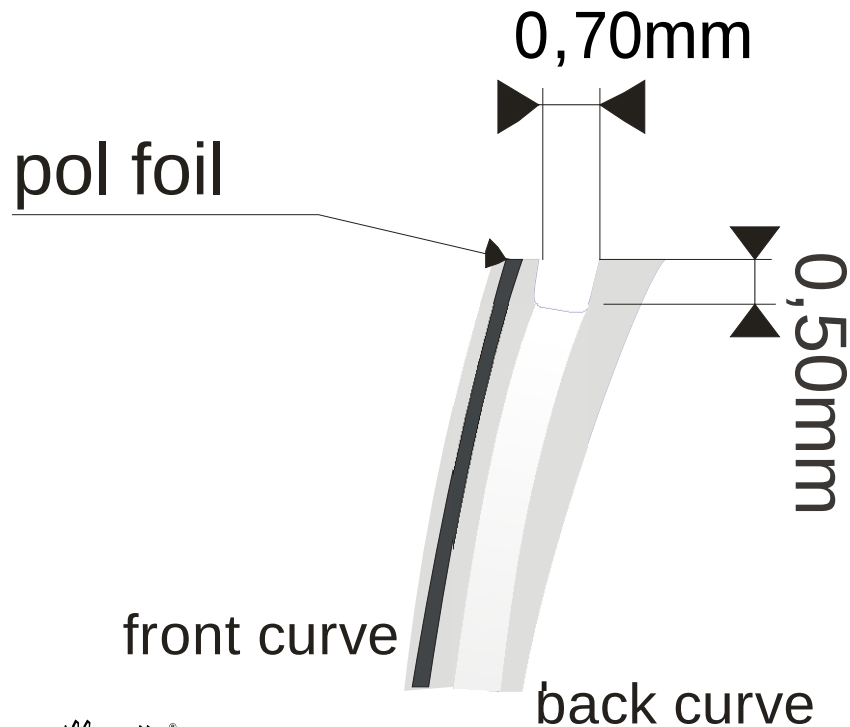
**Adapter sleeves are replaceable with
Silhouette plier purple with BLS 58**



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

Rx Glazing Inline - Explorer Line

- 6.0 base curve Rx lens recommended.
- If using flatter curve, groove lens with 6.0 curve
- When glazing with polarized lens, groove must be behind the polarizing film layer



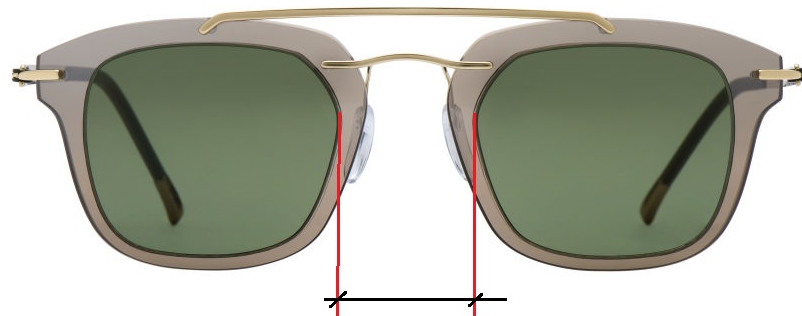
Rx Glazing Inline - Explorer Line

Note distance between lenses (DBL) with Rx glazing

8155 distance between lenses is 28.95 mm



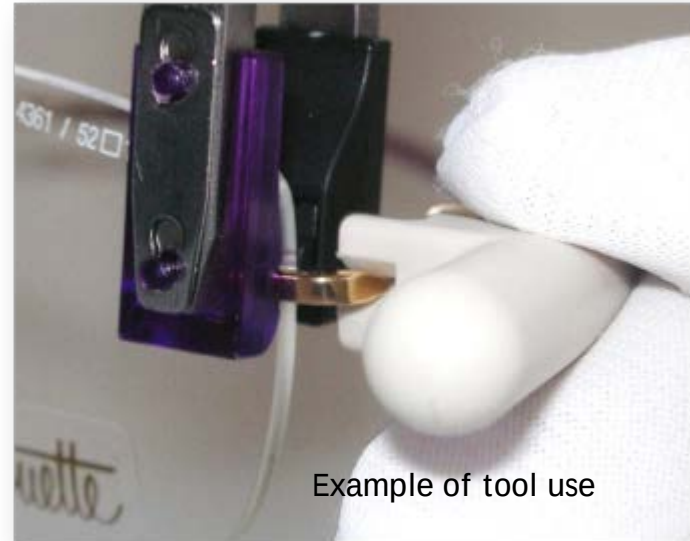
8690 distance between lenses is 22.6 mm



Inclination of disc hinge – Explorer Line

Hold the adapter lens mounting with mounting plier and adjust inclination with the white inclination tool from the mounting box.

Use of inclination tool is required to maintain hinge integrity



Example of tool use

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