Silhouette®

LENS MOUNTING & DISASSEMBLY – FRAME ADJUSTING of RIMLESS FRAMES

Last Revised April 2010

Mounting Box and Tools

P0027 Universal-Mounting box
(P 0027 00 0000 2010)

P0023 Mounting pliers
for horizontal drill holes
incl. sideparts for
wide frame parts
(P 00023 00 0000 0000)

Not Included in mounting box

P0026 Mounting pliers
for vertical drill holes
incl. sideparts for
wide frame parts
(P 0026 00 0000 0000)

Not Included in mounting box

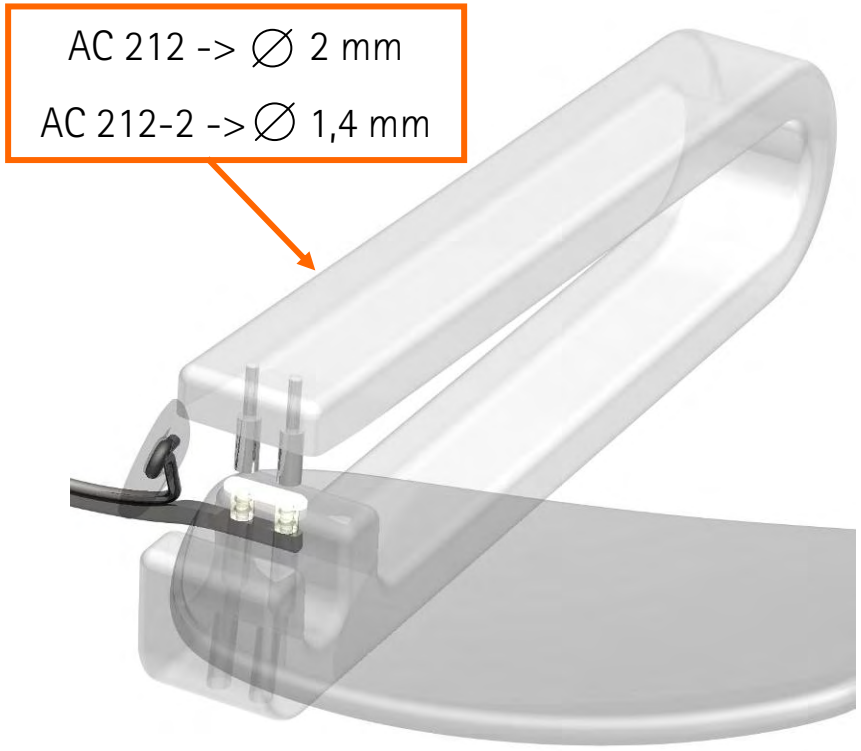
P0004 Disassembly pliers
(P 0004 00 0000 0000)

Not Included in mounting box

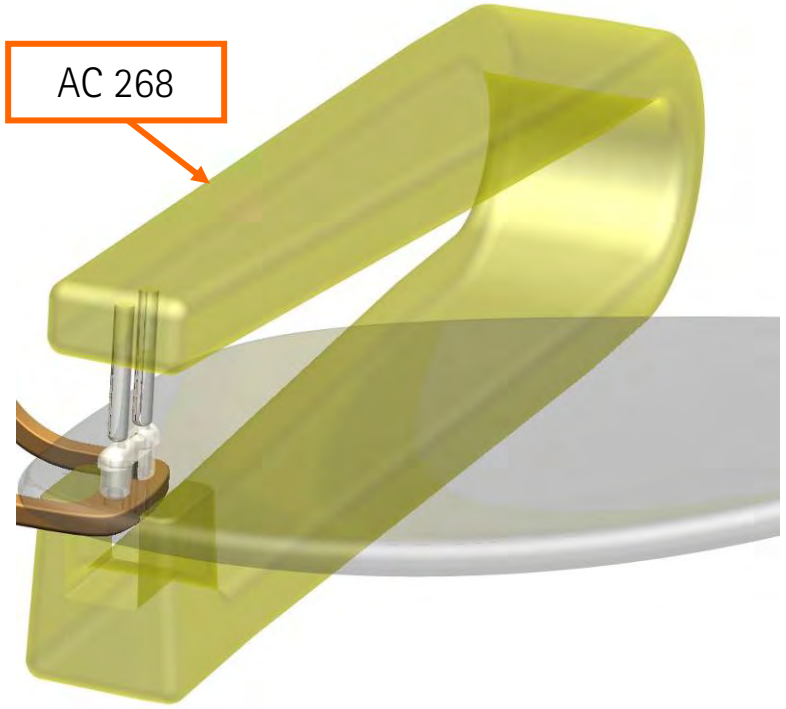
1. LENS DISASSEMBLY

1.1 Disassembly of Demo Lenses

❶ Horizontal Drill Holes

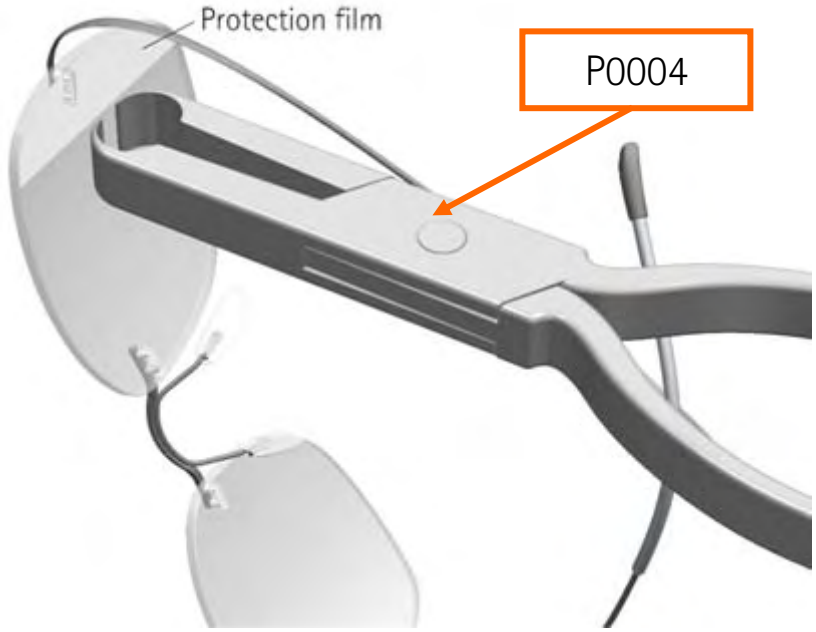


❷ Vertical Drill Holes

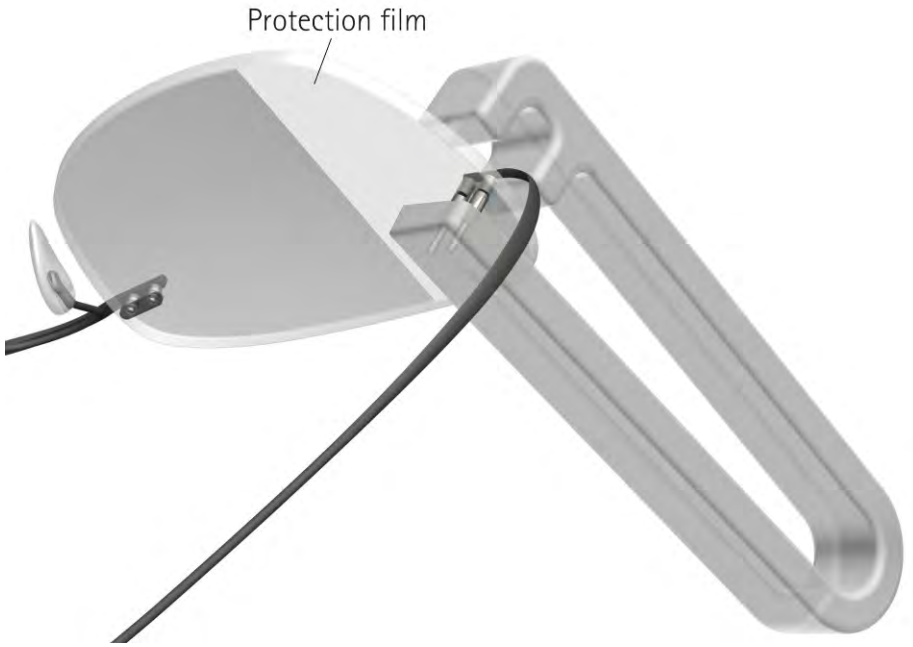


Use disassembly tool meant for each drill hole orientation.
Place the tools' metal pins at the head of the lens fixation sleeves and press out the frame parts.

1.2 Disassembly of Prescription Lenses



1. Carefully fix protective film/tape around the lens fixation sleeves
2. Cut off the heads of the plastic sleeves with disassembly pliers (P0004)



1. Press out the frame parts from the drill hole with disassembly tool.

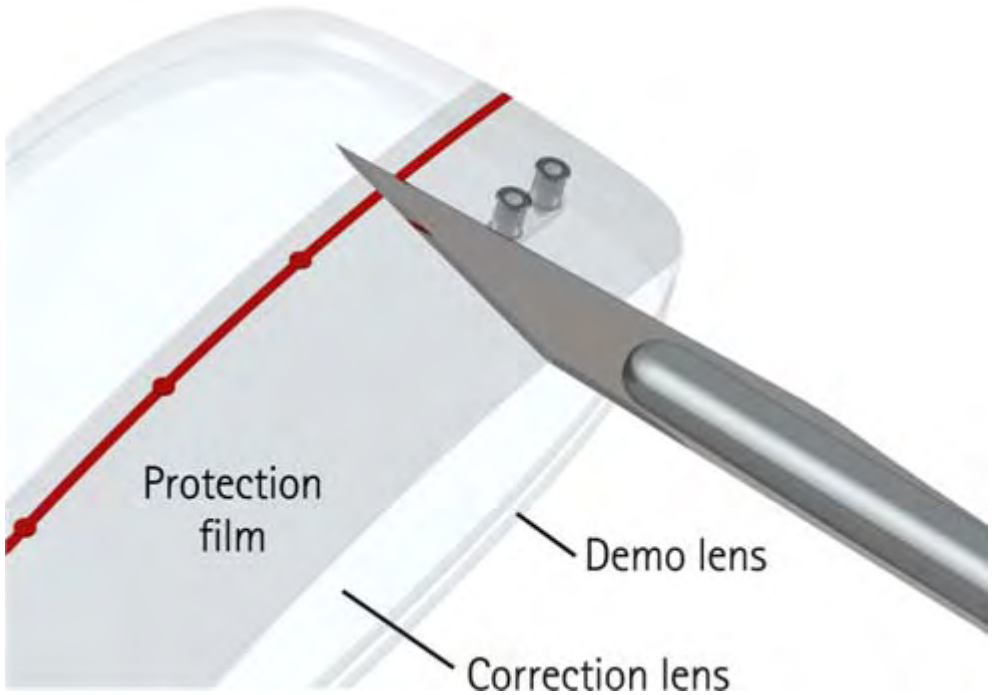
   NOTE: AC 212-2 for 1,4 mm-drill hole, AC 212 for 2,0 mm-drill hole, AC 268 for vertical drill hole

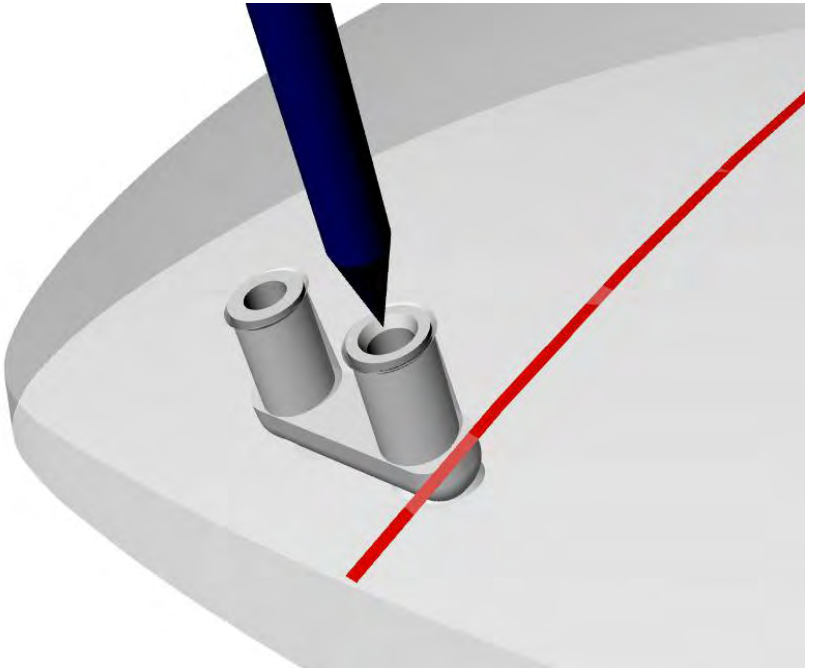
2. Carefully remove remains of plastic from fixation pins.

   NOTE: Be careful not to damage the fixation pins or barbed hooks on the frame. This can cause problems with re-mounting lenses.

2. MOUNTING OF RIMLESS FRAMES

2.1 Press in Plastic Sleeves – Cut to Length - Expand

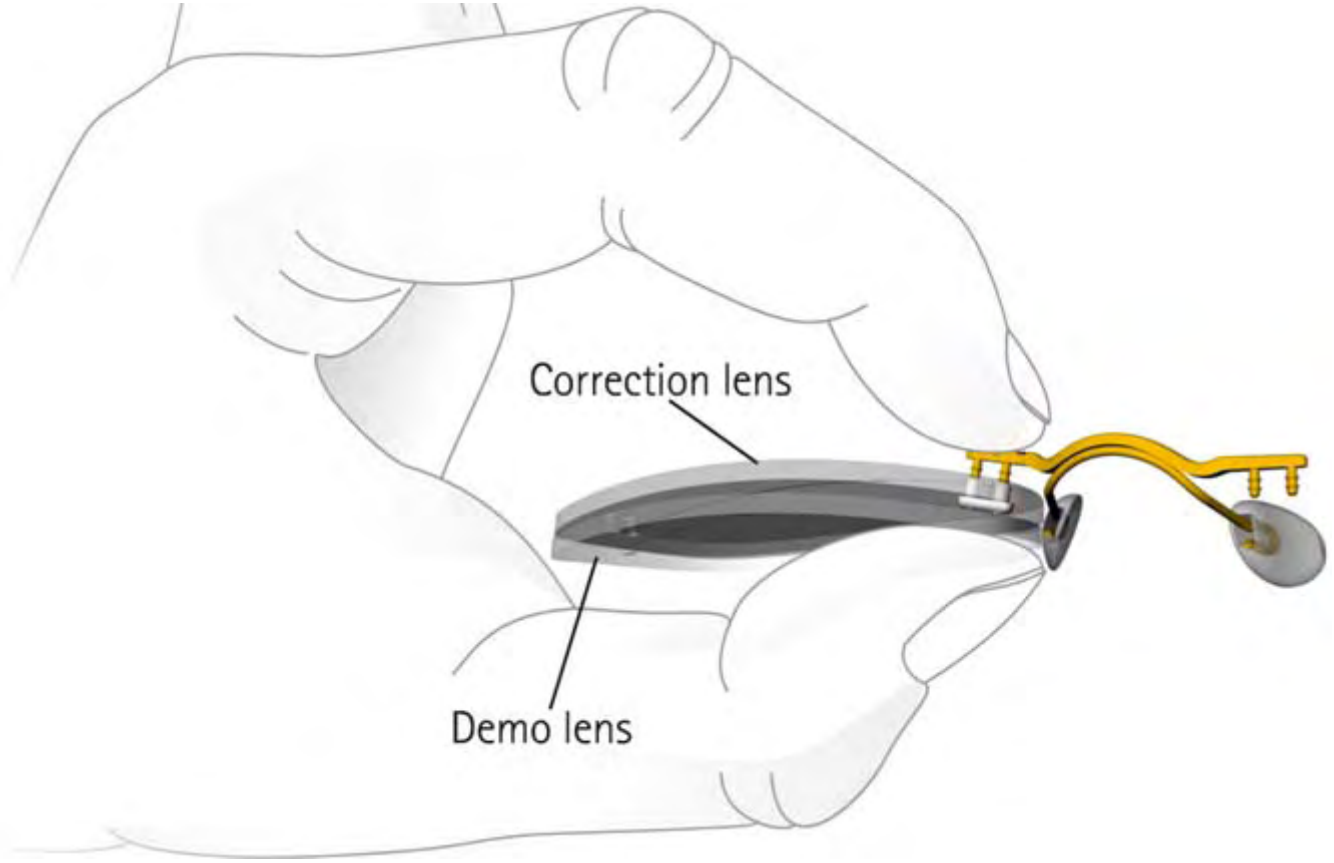




1. Insert plastic sleeves (BLS) into drilled holes completely. It is helpful to use a demo lens to do this. Place protective film or tape over the front of the lens.
2. Cut down the BLS from the front of the lens. Place the blade parallel to the lens when cutting. P0004 disassembly pliers (green handle) can also be used

2. Expand the open end of the BLS with a pin, making it easier to press in the frame parts.

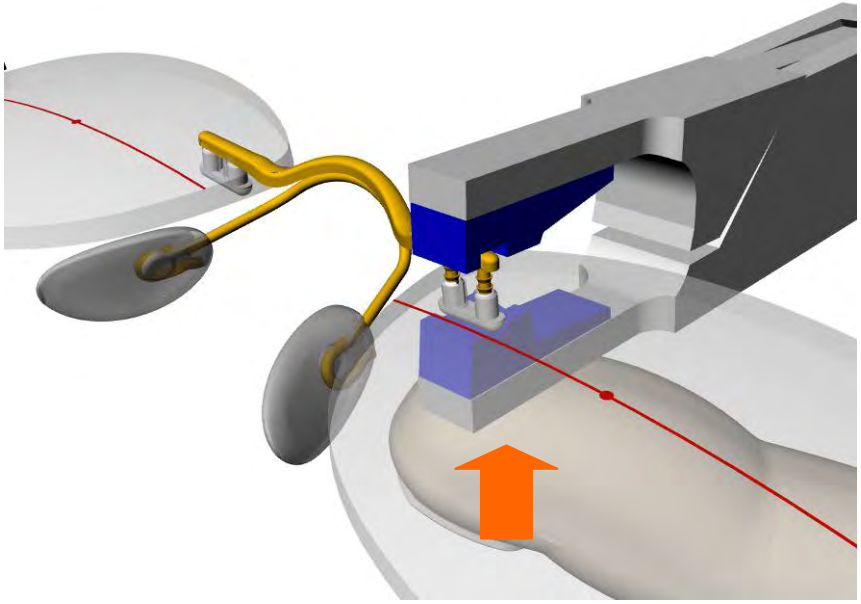
2.2 Press in the Frame Parts



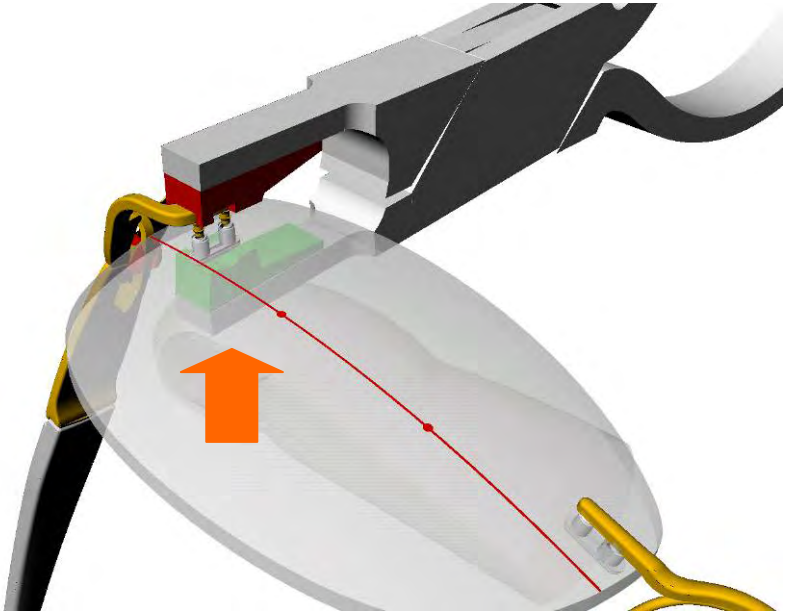
Remove protective film and clean off all residue.
Press in frame parts by hand.
Tip: Use a demo lens to help push in the BLS from underneath

2.3 Fix Frame Parts

❶ Horizontal drill holes:
Mounting pliers P0023



❷ Vertical drill holes:
Mounting pliers P0026

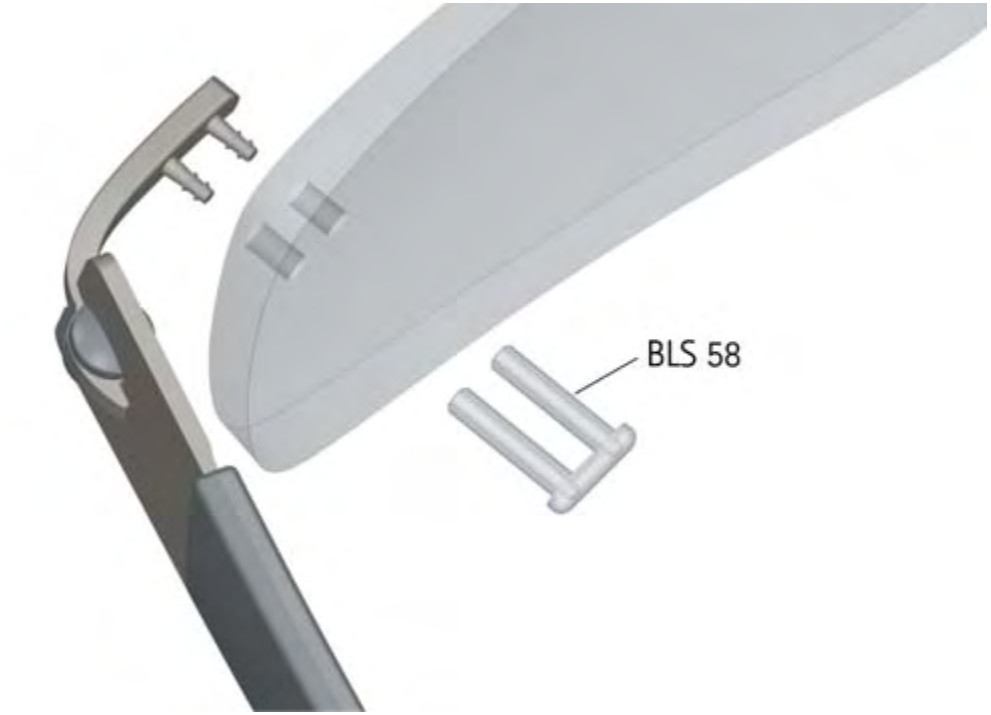


Always place the pliers' moveable sideparts at the top of the BLS.
Press down with the pliers one time to compress the BLS.

TIP: Change the sideparts of the pliers according to the collection- yellow sidepart (for P0023) may be applicable for collections that have a wider surface area.

3. IMPROVED DURABILITY
by
GLAZING
with
PLASTIC SLEEVES (BLS 58)- an explanation

3.1 Comfortable Glazing and Optimum Durability with BLS 58



We recommend glazing metal frames with the harder plastic sleeves (BLS 58), especially all models with more rigid temples.

Due to the material characteristics and different construction, BLS 58 sleeves can absorb considerably more tension. This makes the lens mounting more durable.

For easier glazing we also have optimized the geometry of the rivet pins of all frame parts in collections that use BLS 58.

4 INSTRUCTIONS
for
ADJUSTING FRAMES

4.1 For adjusting, always consider the following:

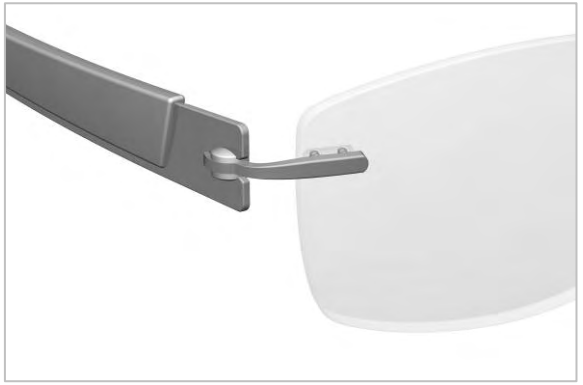
1. Lenses must be mounted securely

2. Hinges must be relieved of pressure before inclination adjustments are made

5. TEMPLE DISASSEMBLY
TEMPLE ASSEMBLY
INCLINATION

SNAP-Hinge

PLUG-WAVE-Hinge



Hinge-LESS

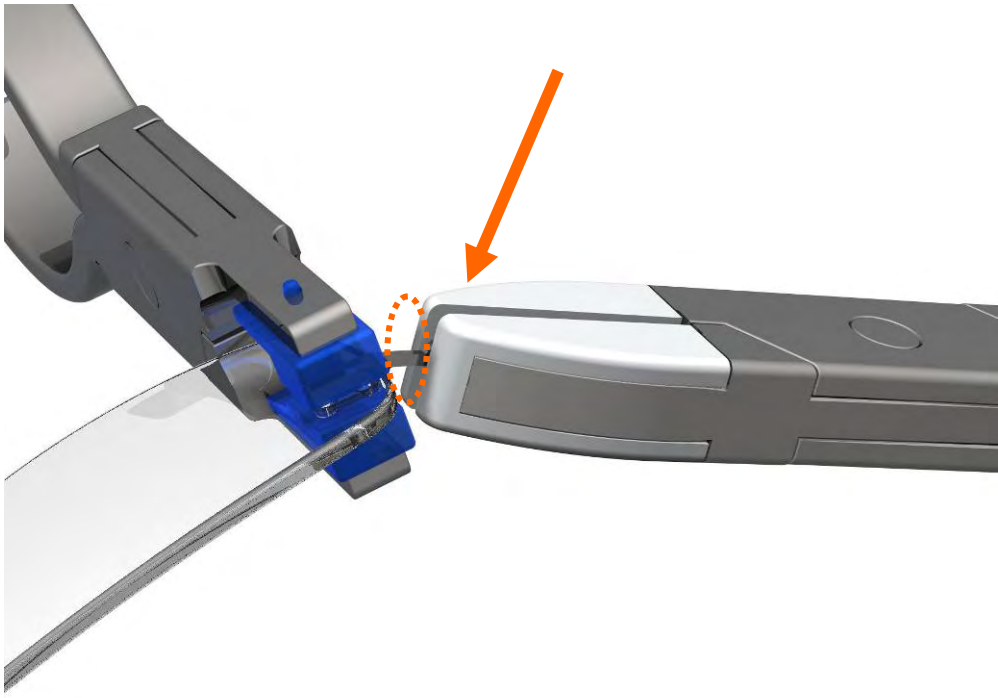
5.1 SNAP-Hinge

Temple Disassembly

1. Place disassembly tool AC 336 (or a pencil) at the stopping point where the trim and temple meet. Select necessary diameter, depending on distance between temple and lens. Close temple and press out through the rounded part.

Examples: Contrasti, Enviso, Intarsia, Mystero, SPX Motion, Titan Edge, Titan Design, Zenlight

5.2 SNAP-Hinge
Inclination

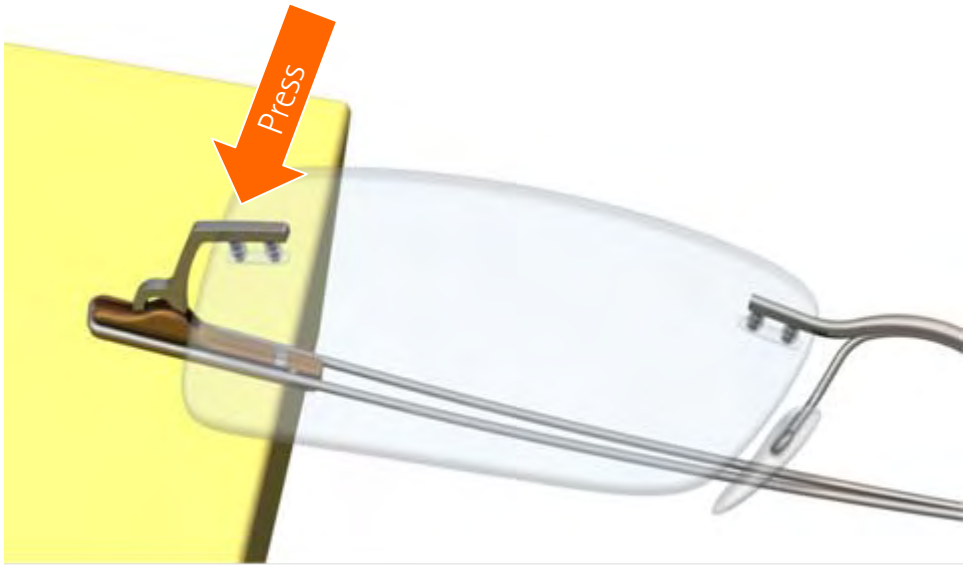


1. Disassemble the temple
2. Hold the lens fixation with the pliers P0023
3. TIP: Cover prescription lens on both sides with protective film
4. Adjust inclination and opening angle of temple with flat pliers.
5. Grip the loop securely with the pliers' sideparts!

Examples: Contrasti, Embrace, Enviso, Intarsia, Mystero, SPX Motion, Titan Edge, Titan Design, Titan X, Zenlight

5.3 SNAP-Hinge

Temple Assembly



1. Place temple on the edge of a table.
2. NOTE: a frame mat can prevent scratching the table.

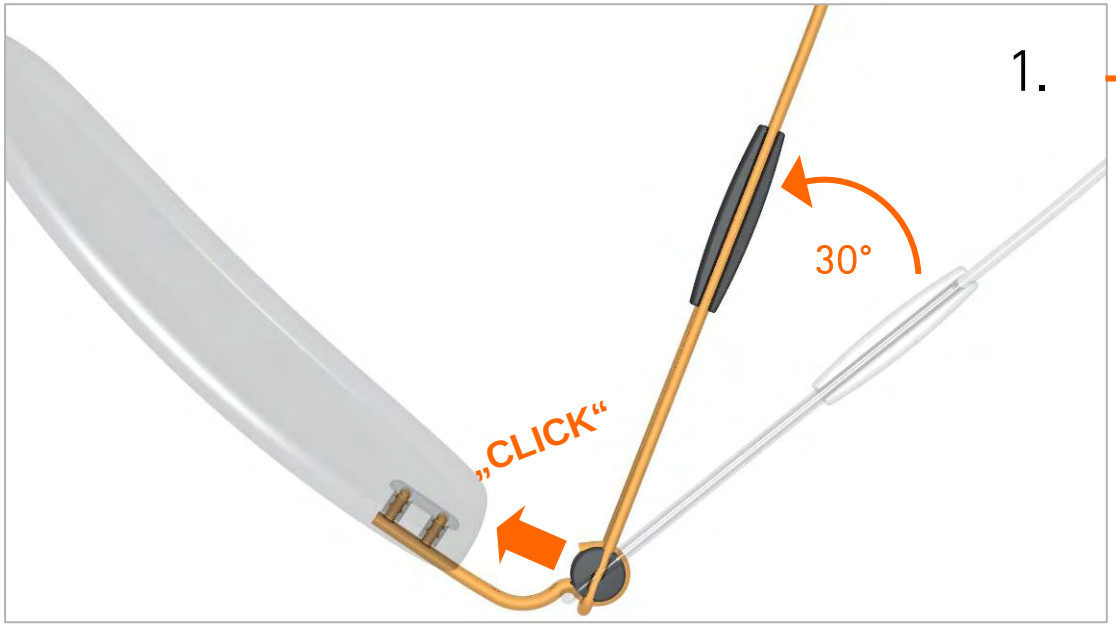
2. Place the sidepart exactly at the opening of the plastic temple and press in.

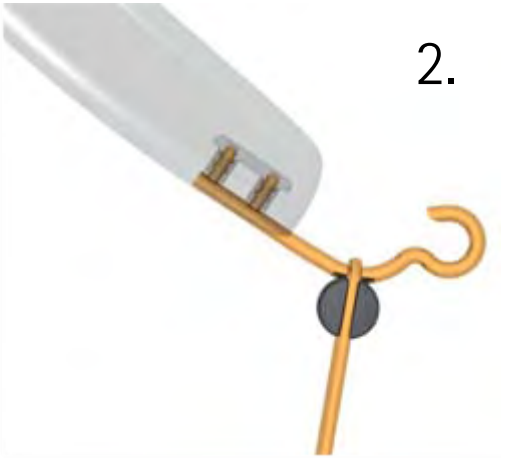
Caution: Do not apply too much pressure or the hinge could break.

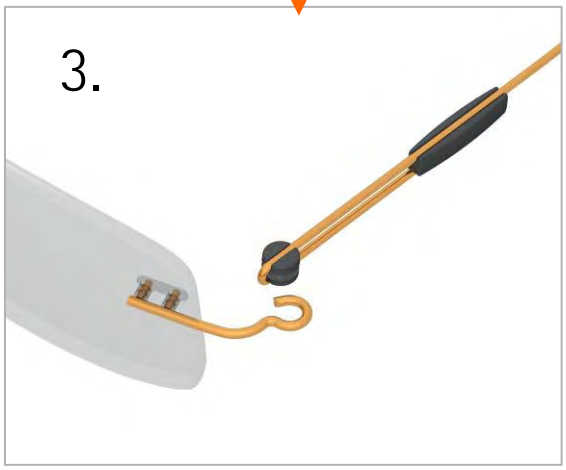
Examples: Contrasti, Enviso, Intarsia, Mystero, SPX Motion, Titan Edge, Titan Design, Zenlight

5.4 SNAP-Hinge TNG

Temple Disassembly





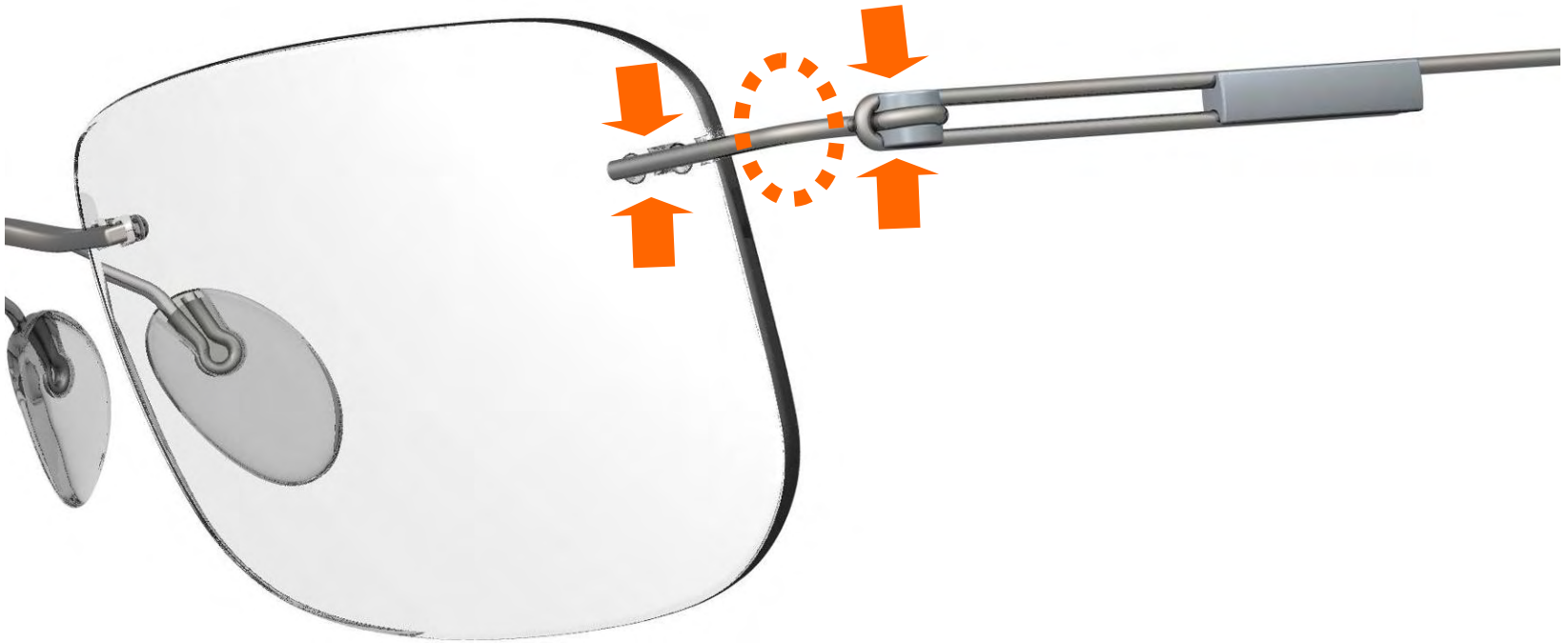


1. Bend temple. Press out the joint.
2. Temple becomes unfastened with a click.
3. Turn around 180° and thread out the temple.

Example: TNG III

5.5 SNAP-Hinge TNG

Inclination

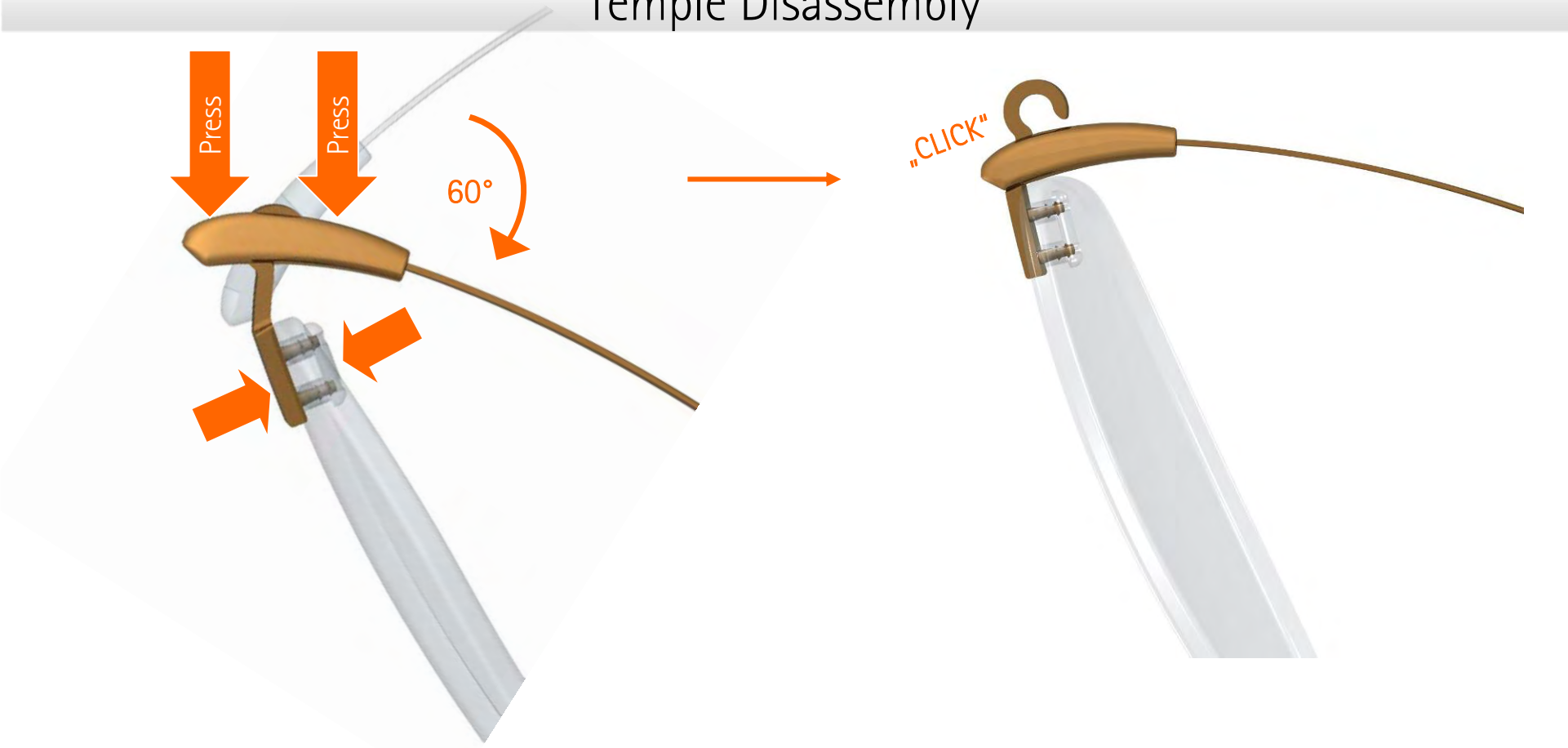


1. Hold the titanium sidepart **very firmly** at the lens fixation point.
2. Hold titanium temple with BLS-hinge very firmly and inclinate it in the desired direction- in small incriments

Example: TNG III

5.6 SNAP-Hinge TitanX

Temple Disassembly

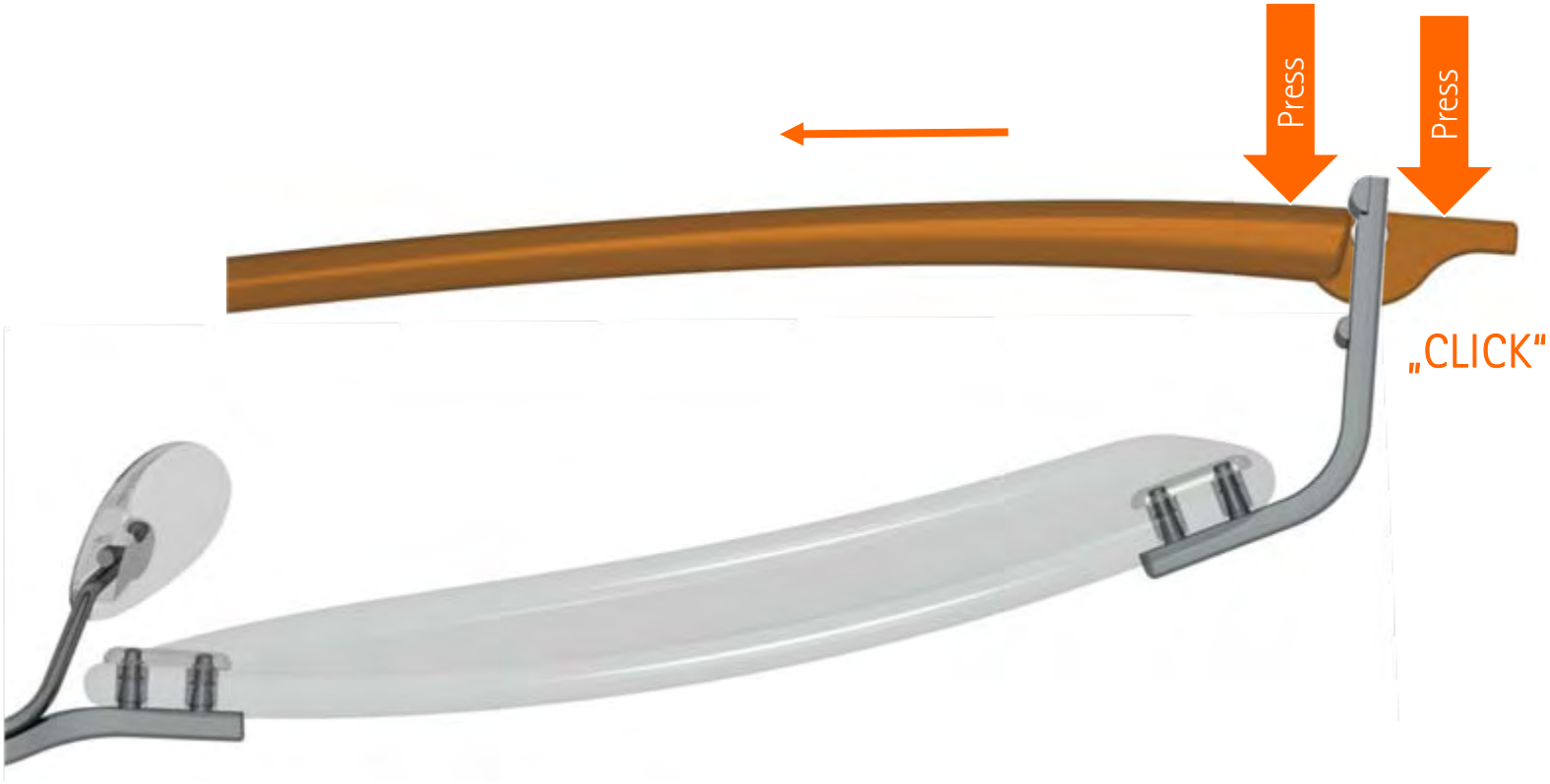


Bend temple approx. 60°. Apply pressure to the plastic part (not the titanium temple) in the direction of the opening of the hinge loop. Temple becomes unfastened with a click. Turn temple around 180° and pull it out.

Example: Titan X

5.7 SNAP-Hinge Colorama

Temple Disassembly



Close temple. Using pressure at the hinge, push forward.
Temple will become unfastened when you hear a click.
Pull away temple from the sidepart.

Example: Colorama

5.8 SNAP-Hinge Colorama

Inclination

Hold sideparts **very firmly** in area of the lens fixation with universal mounting pliers.

Inclinate sideparts with flat pliers.

NOTE: Only adjust metal parts – never the plastic temple!

Example: Colorama

5.91 PLUG-WAVE-Hinge
Note on temple removal

The temples of the following collections should not be removed at the hinge:

Class

Infinito

Leathertouch

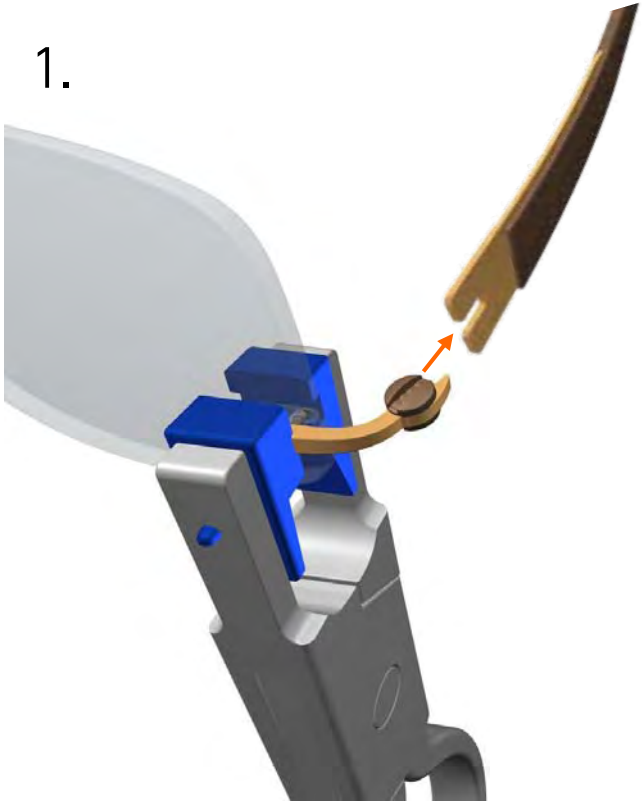
Leatherdrops

Please do not attempt to remove temples at the hinge on these collections. For temple "swaps" the spare part comes complete with temple, hinge and sidepart together. It is not necessary to take apart the temple at the hinge. Replace temples in the same manner as a TMA/hingeless temple.

Examples:Class, Infinito, Leathertouch, Leatherdrops

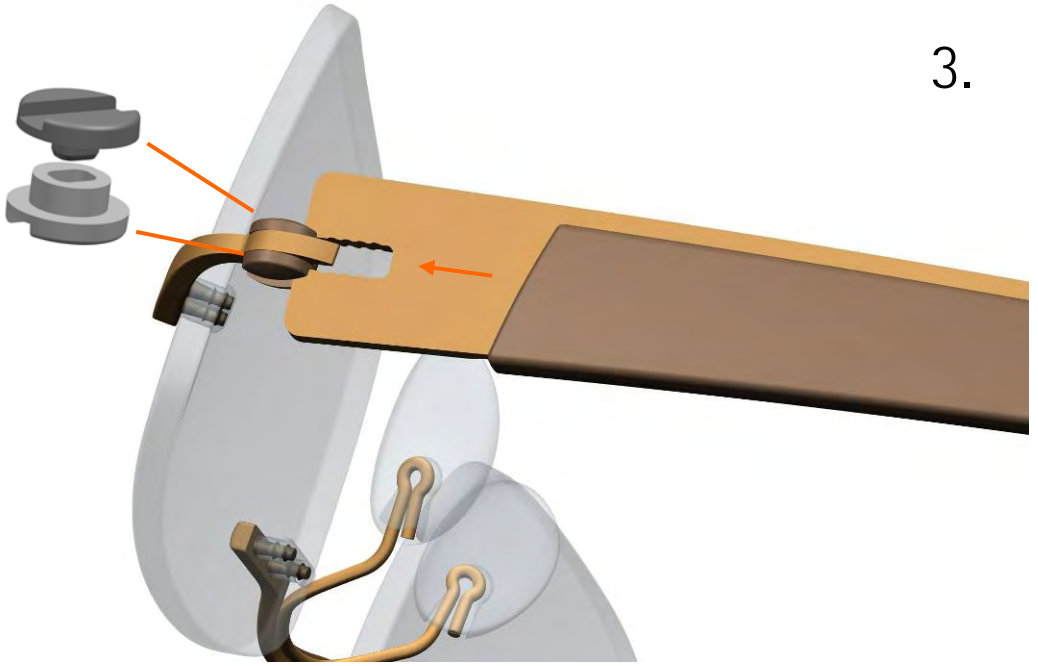
5.92 PLUG-WAVE-Hinge
Temple disassembly and assembly

1.



1. Secure lens fixation with universal mounting pliers. Bend temple slightly. Extract temple from the BLS-hinge by pulling straight back.

2.



2. Attach oval hole and oval top of the BLS on both sides of the loop.

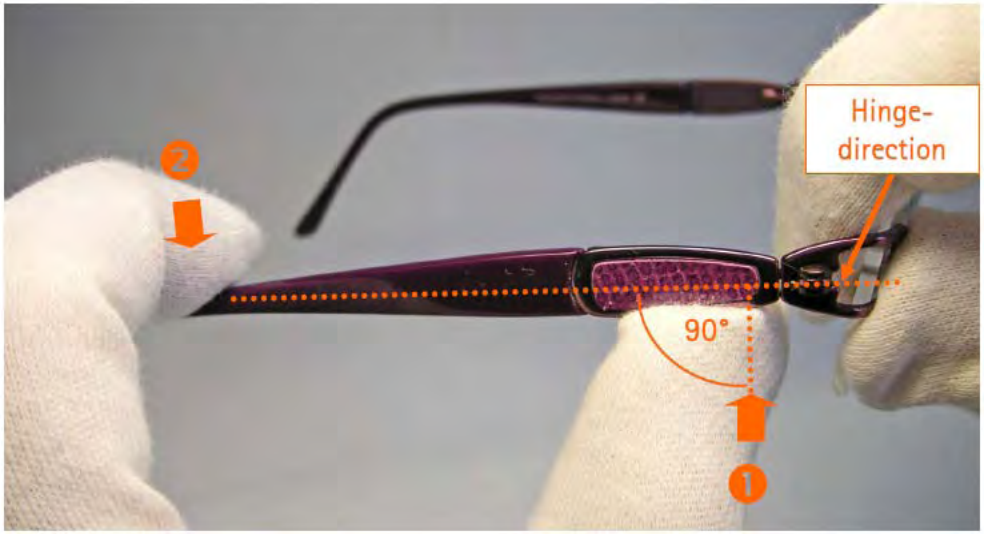
3.

3. For the assembly, place the temple exactly at the slot of the BLS-hinge and slide it in carefully, to the stop.

Example: Metal Twist

5.10 PLUG-WAVE-Hinge
Temple Inclination

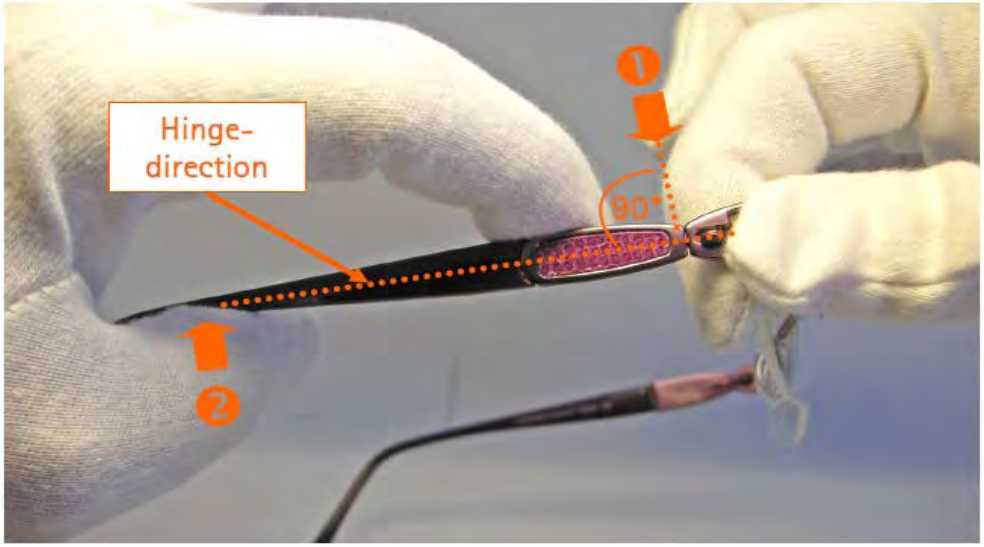
1.



1. Increase Inclination

1. VERY IMPORTANT: Support temple in front so the the hinge does not bend or break. Place normal pressure i.e. 90° in the hinge-direction.
2. Gently apply pressure at the back of the temple in a downward direction.

2.

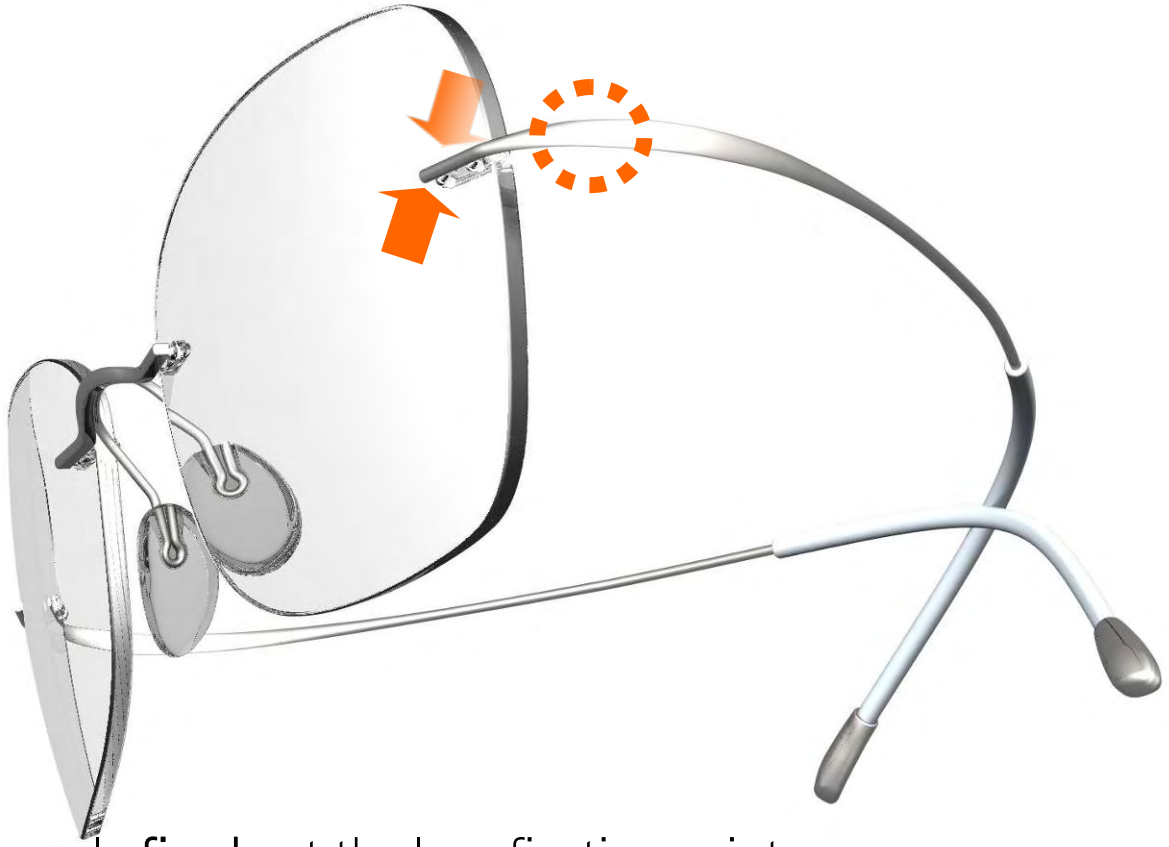


2. Decrease Inclination

2. Repeat same steps as increasing inclination but instead apply pressure in an upwards direction at the back of the temple.

Examples: Leathertouch, Leatherdrops, Infinito, Class, Metal Twist

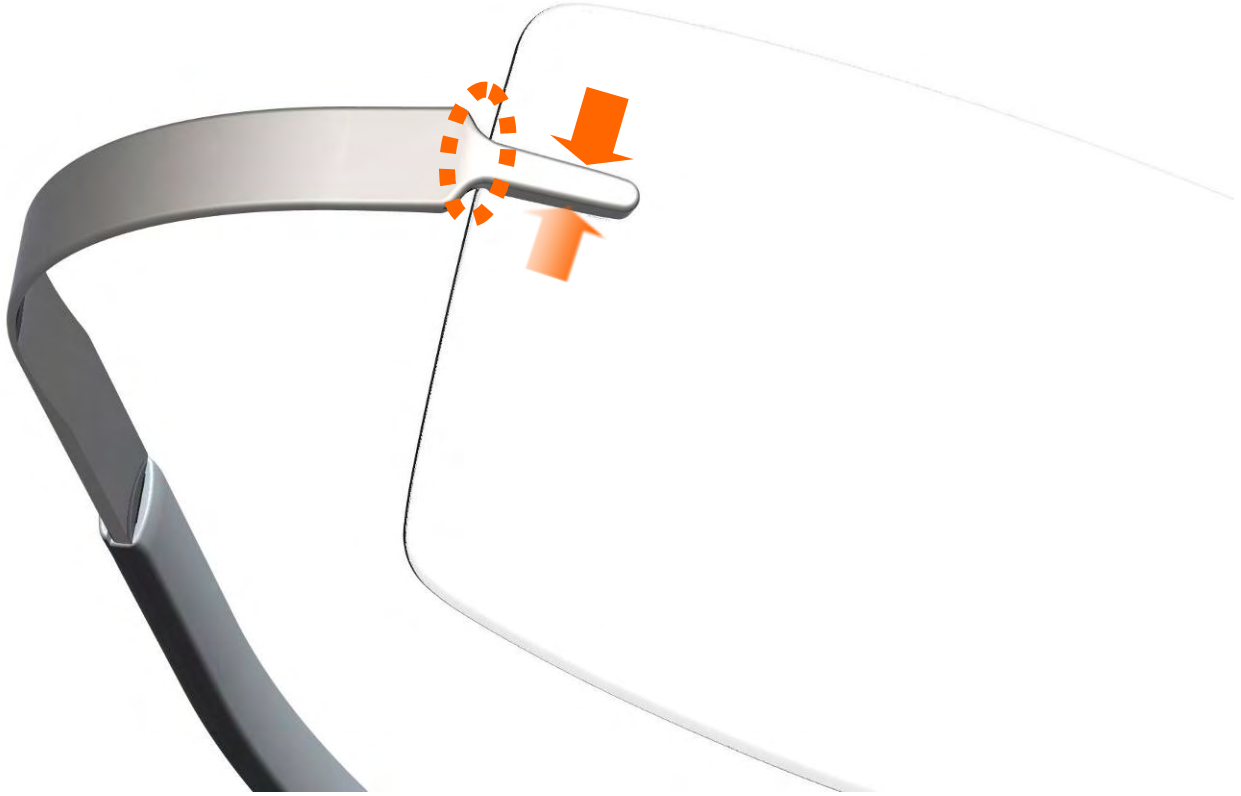
5.11Hinge-LESS
Inclination Titan Minimal Art



1. **Hold** the titanium temple **firmly** at the lens fixation point.
2. Inclinate at the beginning of the flat stamped part of the titanium temple,
   NOT at the lens fixation and **NOT** in the area of the round profile of the temple.

Example: Titan Minimal Art - The MUST Collection

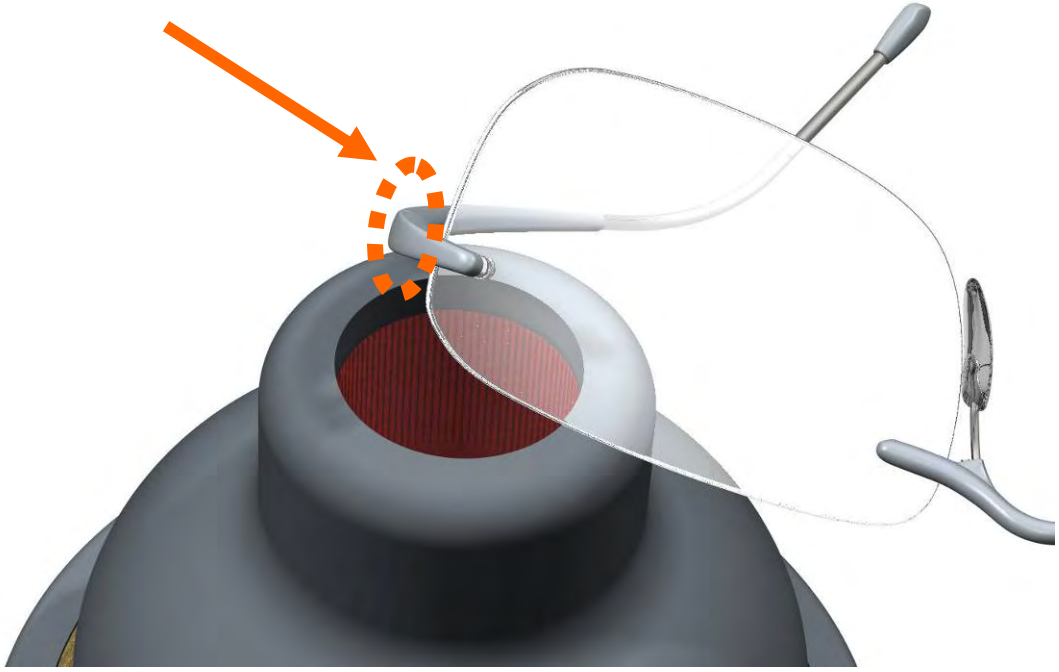
5.12 Hinge-LESS
Inclination Dimension



Hold the sidepart **very firmly** in the area of the lens fixation.
Inclinate carefully in the area indicated above.

Example: Dimension, Metal Look

5.13 Hinge-LESS
Inclination SPX-Sidepart



1. Warm temple carefully over an air heater with a smallopening for only a few seconds. You will feel the material soften at approx. 80° Celsius/ 176° Fahrenheit.
2. ATTENTION: Do **NOT** overheat the plastic part nor the prescription lens!
3. As soon as the material is softened, adjust the inclination and curve the temple.
4. Hold the frame in the desired position until the plastic has cooled down.

Thank You!

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Silhouette Technical Information:

www.silhouettelab.net

Silhouette Website:

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