

SF loop/loop Kid / Technical Manual



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1. Frame system

SF loop Kid

Earpieces

- raster standard
- raster kid
- raster kid gap

Endpieces

- straight

30 polished colors

Nose pad

- 11 sizes
- 5 adapters

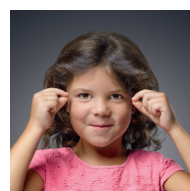
Temple

- straight
- raster

Front

- 36
- 38
- 40

Pictures of all the above elements are available in the legend and the color overviews of the order forms.



like
wearing
nothing.

+
perfekte Passform
modulare Individualität
100% Swiss-made

SF loop

Earpieces

- raster standard
- raster kid

Endpieces

- straight

10 polished colors

Nose pad

- 11 sizes
- 5 adapters

Temple

- straight
- raster

Front

- 42
- 44
- 48

Pictures of all the above elements are available in the legend and the color overviews of the order forms.



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2. Frame parts



- ① Front
- ② Nose pad
- ③ Temple
- ④ Endpiece/Earpiece

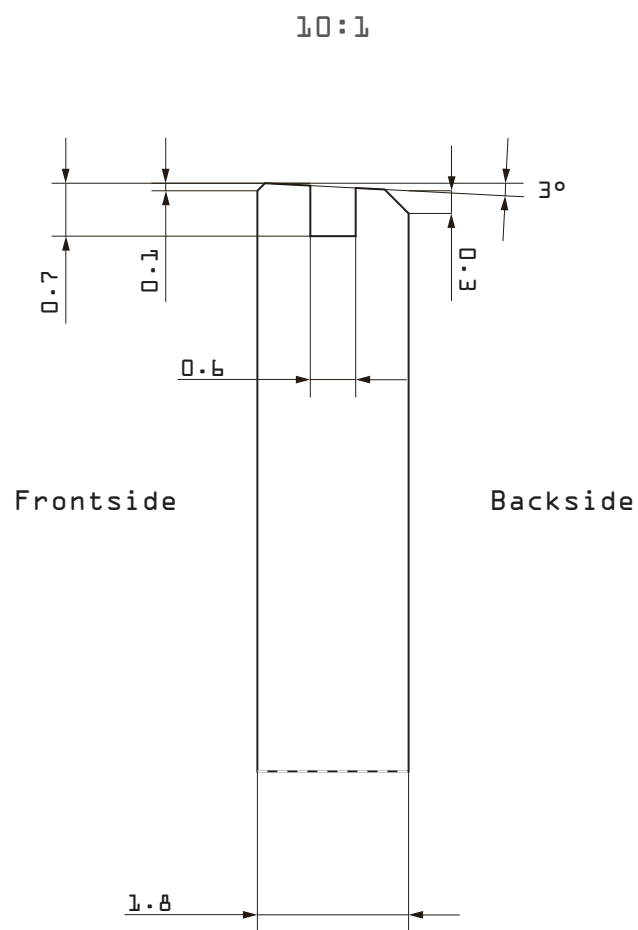
3. Devices / Tools



The devices and tools are matched especially for Swissflex and only by using them the optimal mounting quality can be guaranteed.

Tools	Article code
① Diagonal cutting nipper 632N	70003005
② Mounting tool for pad clip	70003007
③ Former with master gauge	70311004
Former with master gauge <i>client-specific</i>	70311005

4. Technical data of groove and lens



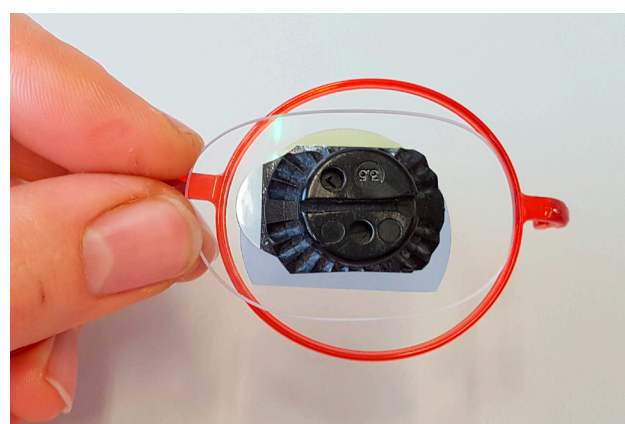
(A minimum glass thickness of 1.8 mm is recommended)

5. Mounting instructions for straight temple

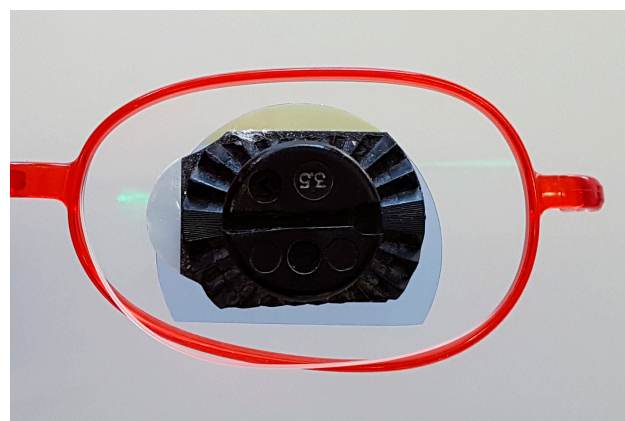
1 Preparation
Milling and grooving the lens to the correct shape and size (use the checking device). Lens shape/size is correct when lens holds with light tension in checking device. A sefty bevel of 1/10 frontside and 3/10 backside facilitates inserting the lenses. Caution: If the lens does not fit properly (too small / too big / not adapted grooving depth) results in breakages or the lenses may fall out.



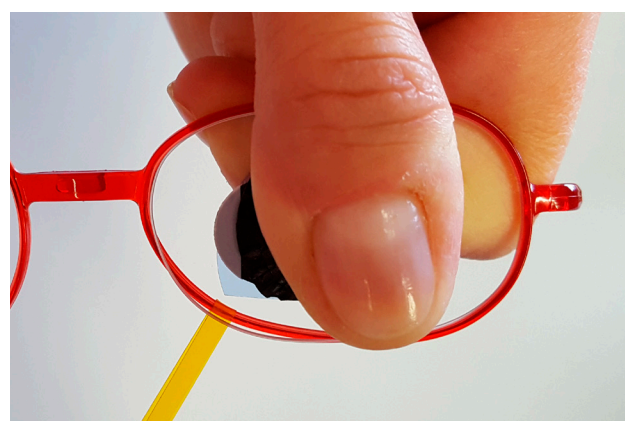
2 Placing lens with groove starting temporally into the frame. Depending on shape and thickness of the lens from the front or the back.



3 Started temporally placing the lens first into the upper and then into the lower rim.



4 Lifting the lower frame carefully with little force over the edge of the lens with the help of plastic band.



5

Aligning the lenses.

Fixing the frame at the bridge and the hinge and turning the lenses counter clockwise.



6

Fixing the frame at the bridge and the hinge the other way around to turn the lenses clockwise.



7

Depending on the blocking system it is advisable to remove the blockers before further working steps.

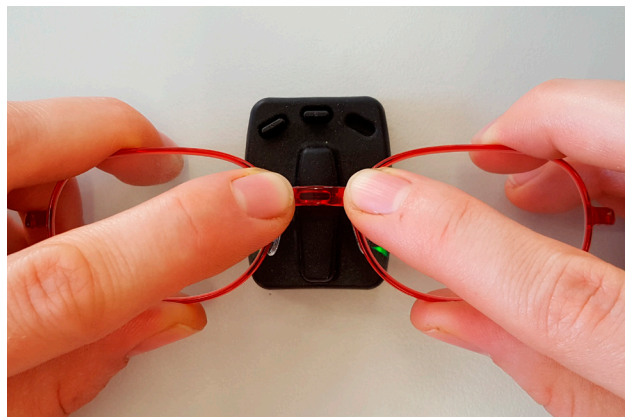


8

Preparation of pad assembly.
Inserting the mounting aid into the pad.



- 9 Placing the bridge with the mushroom downwards vertically on the mountig aid and pushing it down until it clicks into place.



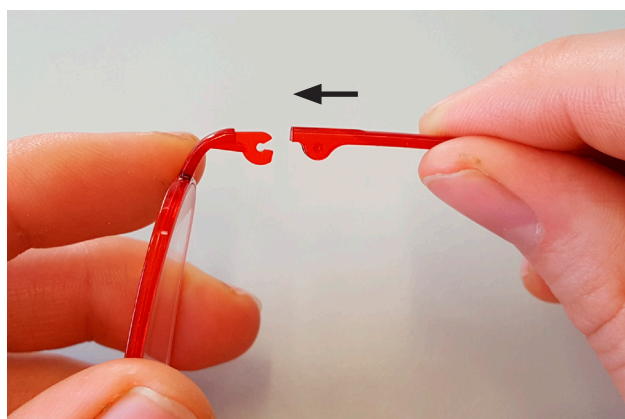
- 10 Checking the correct fit.



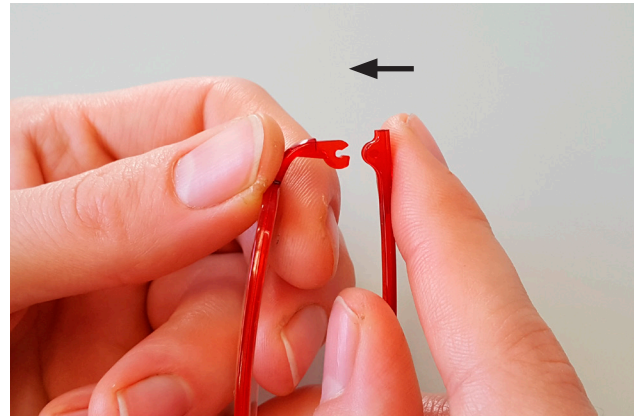
- 11 Mounting the endpieces with the tip outwards.



- 12 Fixing the hinge, positioning the temple parallel to the front, inserting the temple in the hinge until it clicks into place.



- 13 Another possibility: Fixing the hinge, positioning of the temple parallel to the front, inserting the temple until it clicks into place.



- 14 Mounted frame is ready but not pre-fitted.
More information in the fitting chapter.



6. Mounting instructions for raster temple

1

Preparation of parts:

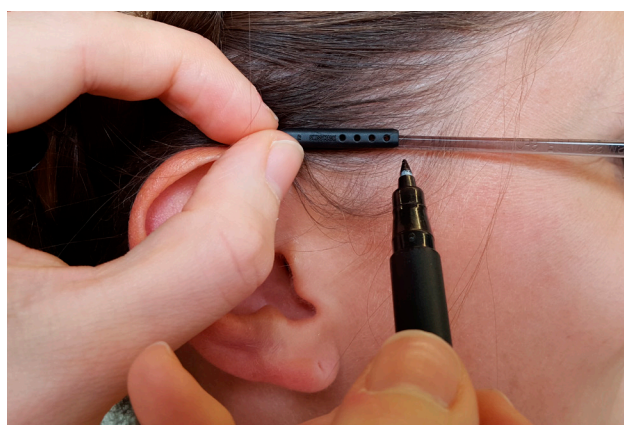
- raster temple
- raster earpieces



2

Mounting the temples to place the frame on the head of the consumer.

Putting the earpiece close to the ear, marking the overlay at the temple (determine the length for each side individually).



3

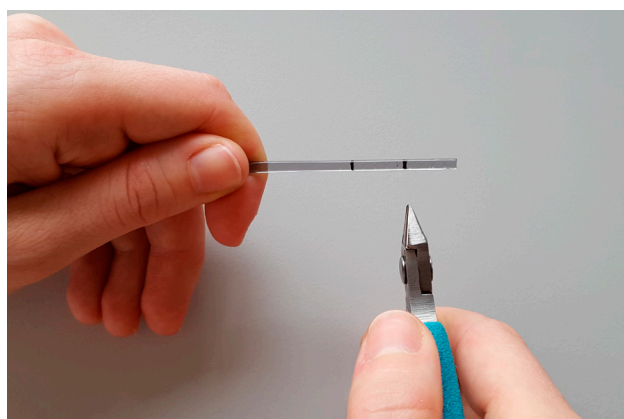
Marking the intersection point.

Determination of the necessary allowance and adding it to the length of the temple.



4

Shortening the temple to the desired length. Use the tool side cutter 632N.



5

Heating the ends of the temple slightly from both sides on order to simplify the installation.



6

If necessary the earpiece can be glued to the temple.

Application of glue (only on cut surface) in small quantity with immediate assembly.

Remove any visible glue immediately.

Official product for glueing earpieces is CB 2008.

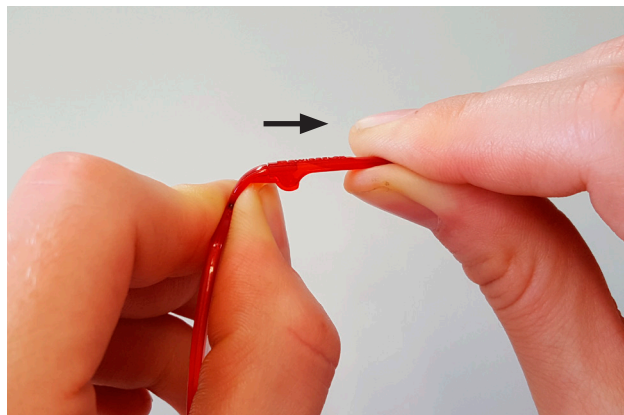


Caution!
Observe the safety regulations regarding glues and solvents.

7. Disassembly: Temple, nosepad, lens

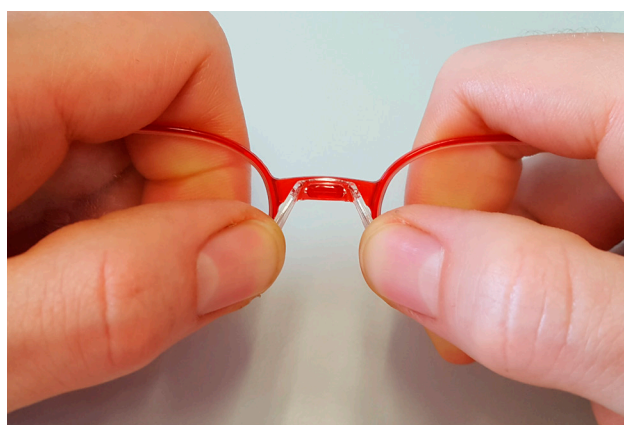
1

Opening the temple.
Fixing the hinge with thumb and finger and pulling the temple jerking towards the end of the temple.



2

Removing the nose pad.
Press the wings with both thumbs downwards until the pad clicks out.



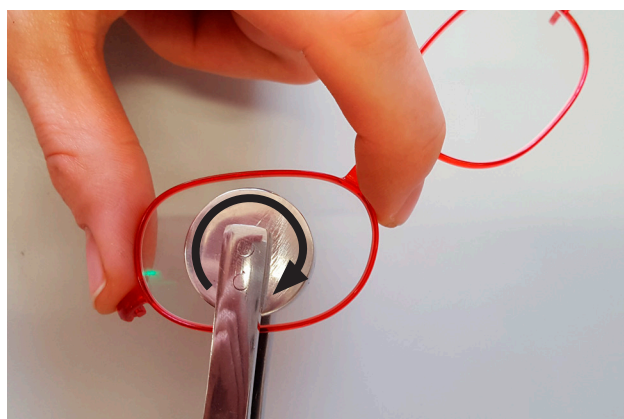
3

Removing the lenses (e.g. right one). Fixing the frame at bridge and hinge and turning the frame counter clockwise.



4

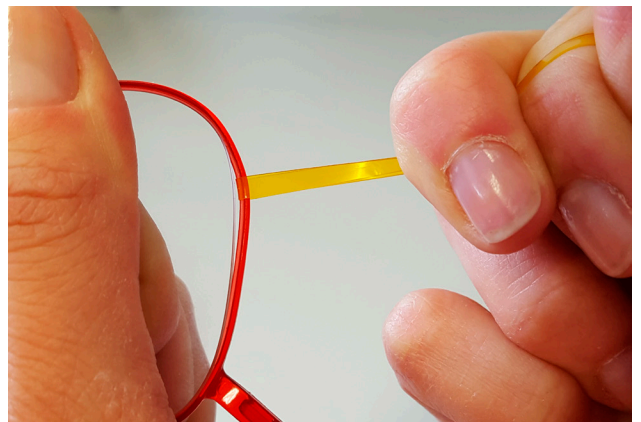
Turning the lens with the tool until the largest radius directs upward.



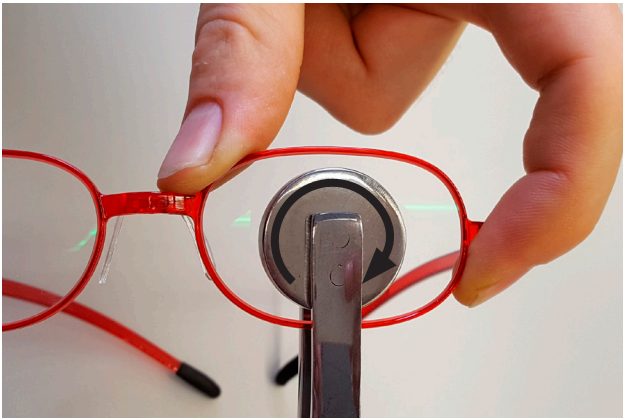
- 5 By pushing on the upper part of the bridge an opening between rim and lens appears. Inserting the plastic band for the removal.



- 6 Lifting carefully with the lens over the upper rim.



8. Typical mounting mistakes



Correct
Fixing the frame above the bridge and below the hinge before turning the lens clockwise.



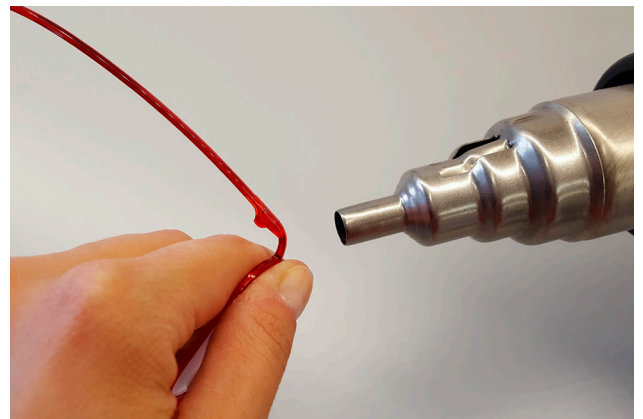
Incorrect
Turning the lens without fixing the frame properly. Danger of overstretching and later breaking of bridge or rim.

9. Basic fitting in Lab

1

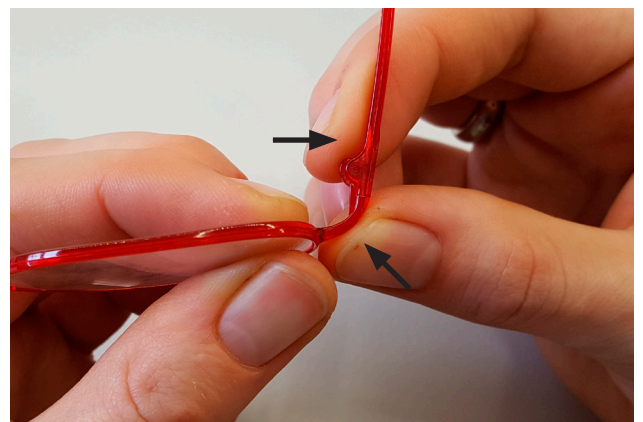
Open the temple. Heating the hinge from both sides gradually while protecting the lens.

Adjust the temperature to the clearance.



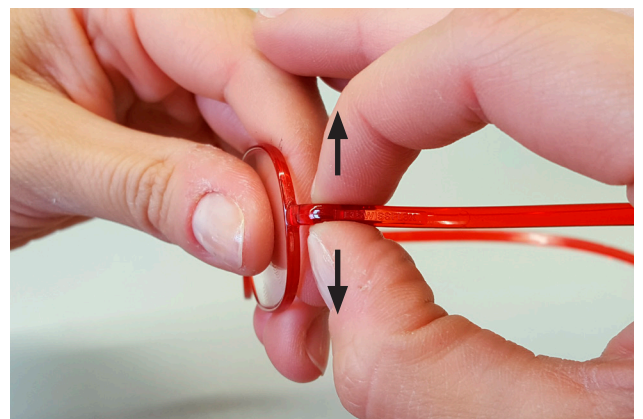
2

Increasing/Decreasing the opening angle.



3

Adjusting inclination.

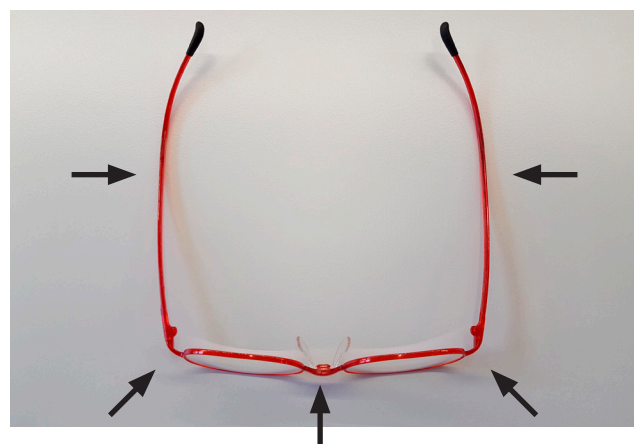


4

Possible points for tuning.

- Bridge (remove pad before)
- Hinge
- Temple (not in the area of the connection of hinge and temple)

Adjusting the temperature to the respective clearance.

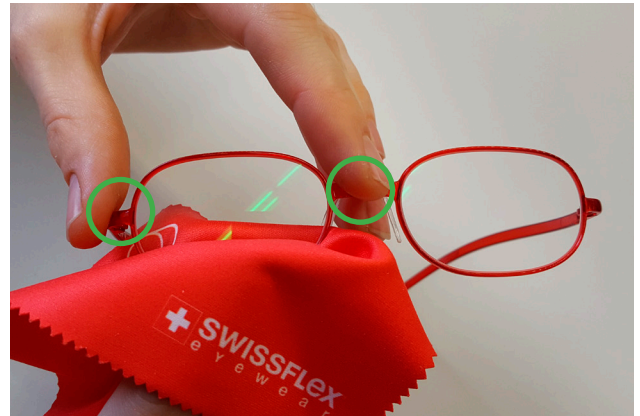


10. Cleaning

1

Correct cleaning.

Fixing the frame at bridge and hinge. It is recommended to clean the glasses with soap and clean water. The removal of glue residues on the frame with acetone. Avoid alcohol (f.e. Isopropanol) and solvents.



2

Incorrect cleaning.

Not fixing the frame properly which results in a torsion between the lens and the frame.

