

# XELUX enduro

Schweisserschutzmaske

Welding Helmet

## SCHWEISSEN IN FARBE



### Instruction Manual

**Warning!** The welding helmet XELUX enduro is intended to use for arc welding exclusively. Arc welding without safety equipment is dangerous and can lead to inflammation of the cornea as well as cataract.

The welding helmet XELUX enduro must be used together with an appropriate welding filter.

Set up your workplace accordingly. Make sure you work with proper lighting, ventilation, fire safety and a solid stance.

Please read the instruction manual before first use.

This personal protective equipment (PPE) complies with EU regulation 2016/425, with effect from April 21, 2018.

#### Characteristics

CE certified according EN175

Maximum head coverage at minimum weight

90 x 110 mm front window

No metal parts

Ergonomic design for ideal balance, fume deflection and air exchange

#### Application

Check that all parts of the welding helmet XELUX enduro are correctly assembled, especially the protection plates for the filter. Make sure that a welding filter is in place, and that it is CE certified according EN379 for auto darkening welding filters or EN166/EN169 for glass filters.

The external protection plate (110 x 90 mm) in front of the filter protects against splatters, fumes and heat. Additionally, it also protects the user against possible impacts of particles. All protection plates should be CE certified according EN166 and should be marked as such.

The inner protection plate (110 x 65 mm or 110 x 90 mm) protects the face of the user in case of breakage of the filter.

To adapt the headgear to your head, you can adjust it in height and you can move it forward and backward with the upper and side adjustment options. To adjust the head circumference, use the rear ratchet button. The side stopper makes sure the welding helmet XELUX enduro does not exceed its intended top and bottom positions.

#### Technical specification

Helmet material: Polyamide (PA), skin friendly

Headgear material: Polyethylene (PE), skin friendly

Sweatband material: foamed polyester, skin friendly

Total weight: 375 g with headgear

Melting point: >200°C

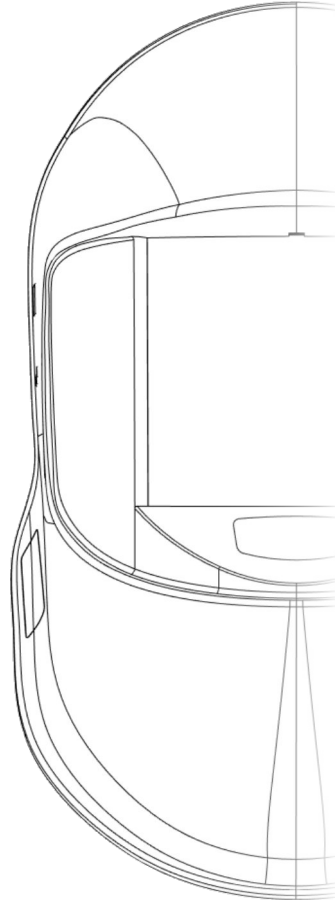
Dimensions outer protection plate: 90 x 110 mm

Dimensions inner protection plate: 65 x 110 or 90 x 110 mm

Standards: EN175, EN166

Warranty: 36 months

Lifetime: Min. 8 years



#### Marking CE

CAS	-	EN175	9	F	W	CE
Manufacturer		EN standard	Protection against molten metal and hot solids	Protection against high-speed particles	Stability to water immersion	CE marking
Manufacturer:	castelberg design gmbh Ettelstrasse 44E 8820 Wädenswil Switzerland					
Notified Body:	Certottica SCRL Zi Villanova 32013 Longarone BL Italy					

+ SWISS MADE

XELUX®  
ACTIVE EYE PROTECTION

## Maintenance , lifetime, storage and warranty

The **XELUX enduro** helmet and headgear can be cleaned with a mild detergent and water. You are not supposed to use any type of solvent since they could affect the integrity of helmet and headgear. To disinfect use a common disinfectant and a towel. Make sure cleaning liquids are applied to the towel, not directly to the welding helmet.

The sweatband should be washed or replaced at appropriate intervals for sanitary reasons. Hand wash at max. 40°C with a mild detergent and rinse thoroughly. Do not machine dry.

Filter and protection plates should be cleaned with a non-abrasive cloth or microfiber cloth.

To offer maximum protection both for the user and the filter, the protection plate should be checked regularly. Being exposed to splatters, heat and fumes, it should be replaced as soon as visual defects can be noticed (deformation, scratches). The inside protection plate it must be replaced as well if it is dirty or damaged. Obstructed vision will fatigue the user and can cause pain in the eyes and headaches.

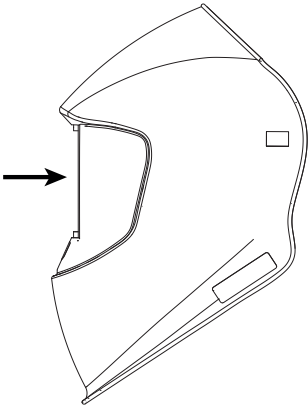
Due to the selection of materials used for the manufacturing of the helmet and its components, there is no limitation of the time of usage. If handled properly, only protection plates and sweatband will need regular replacement.

The welding helmet **XELUX enduro** must be stored at temperatures from -10°C to +40°C and at a relative humidity below 80 %. Avoid moisture and sunlight. Storage together with acids, alkalis, oils and organic solvents can damage the product.

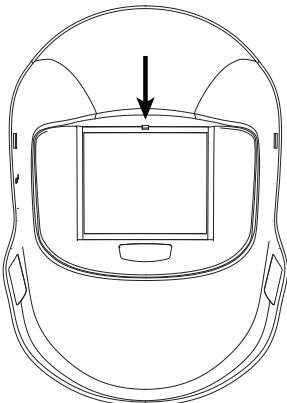
Manufacturer warranty for material and manufacturing errors is 36 months. Damages that result from physical abuse of the product are not covered by the warranty. Warranty only applies for the described use case and only for unmodified products. Besides warranty claims, no other damages will be covered.

### Replacement of the outer protection plate

Remove the outer protection plate by inserting a fingernail at the top centre part.



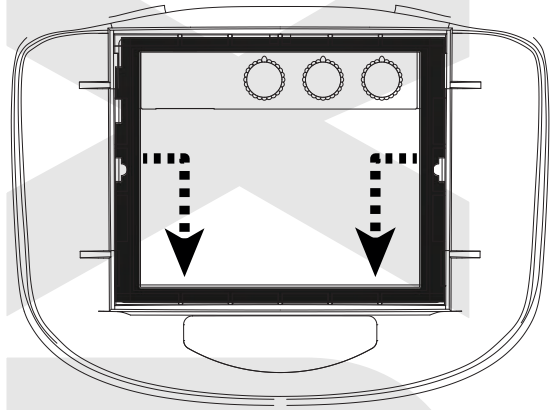
Bend the new protection plate lightly and place it in the two lateral grooves.



### Replacement of the inner protection plate and filter

Remove the tensioner (black frame). Remove the protection plate to be replaced and insert a new one. Attach the tensioner (black frame) to the desired groove with the bend down towards the filter.

For safety reasons, you must use an inner protection plate, unless the filter is certified as break resistant.



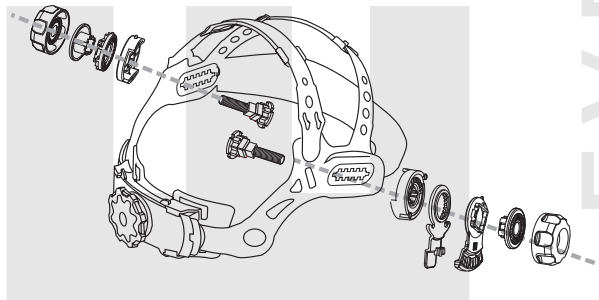
### Replacement of headgear

To remove the headgear:

1. Unscrew both knobs on the left and right side.
2. Remove the disc underneath on both sides.
3. The headgear can now be removed.

To insert the headgear:

1. Unscrew the knobs on the left and right end of the headgear.
2. Remove the disc underneath the removed knobs.
3. Make sure the sweatband is oriented towards the front of the helmet.
4. Push the now exposed screws on the left and right side of the headgear through the corresponding holes in the helmet. Hold on to the screw so it does not fall out of the headgear.
5. From the outside of the helmet, stick the removed discs back onto the screw.
6. Screw on the knobs on both sides.



## Security advice

The welding helmet **XELUX enduro** has been designed for use with electric arc hand welding and must not be used for other purposes. Be careful, when moving about while wearing the welding helmet, as the field of vision is restricted and the automatically darkening welding filter can be unexpectedly darkened by a bright source of light.

The welding helmet **XELUX enduro** must not be used for laser welding and oxy-acetylene welding.

In rare cases allergic reactions to the welding helmet are possible. If the welding helmet causes skin irritations, it must not be used further and seeking medical advice is recommended.

Always use welding filters of a shade level that is sufficient for the type of welding that you are using. In case of welding with mineral glass filters, make sure a protection plate is both in front of and behind the filter to protect the welder's eyes in case of breakage of the glass filter.

For information and instructions about the auto darkening welding filter please refer to the separate instruction manual for the **XELUX X-series**.

## Accessories / Spare parts

Accessories and spare parts can be ordered individually.

**XELUX enduro** headgear

Item no.: 80.520

**XELUX enduro** sweatband

Set of 2 pieces

Item no.: 77.420

Inner/Outer Protection Plate 110 x 90 mm

Set of 10 pieces

Item no.: 30.220

Inner Protection Plate 110 x 65 mm

Set of 10 pieces

Item no.: 50.125

ShadeOn + 1 SST (Shade level)

Set of 2 pieces

Item no.: 57.360

## Distribution

Distribution is taken care of by the qualified retailers, our online shop or by contacting us directly. We will also gladly recommend you a local distribution partner.

Please visit our website **www.xelux.ch**, where you can find further information.

If you have any questions, please do not hesitate to contact us. We will gladly help you.

