





## SAFETY FRAMES

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Safety goggles • Side protection • Nose protection  
All goggles are certified





## GENERAL INFORMATION ON SAFETY GLASSES AND CLIP-ONS

### 1. CE-Certification

All safety glasses and clip-on lens attachments are tested to EN 166–168 and carry a CE certificate. The test specifications are available from the following address:

Beuth-Verlag GmbH  
 Burggrafenstraße 6 · D-10787 Berlin  
 Tel.: 030/26 01 22 60 · Fax: 030/26 01 12 60  
 e-mail: info@beuth.de  
 homepage: <http://www.beuth.de>

#### 1.1 Frame with plano lenses

Produced according to directive 89/686/EEG and EN 166–168 for personal protective equipment.

#### 1.2 Glazing with corrective lenses

In case of glazing with corrective lenses the frame is subject to the EU directive 93/42/EEG for medical devices, similar to spectacles. In this case the declaration of conformity needs to be issued from the lab or from the optician.

### 2. Cleaning

Lenses should be cleaned under running water with a soft cleaning agent and then dried with a soft cloth. They may afterwards be cleaned with a commercially available disinfectant.

**Important!** Do not use any chemicals, spirits or cleaning fluids which contain solvents.

### 3. Areas of application

All safety glasses conform to optical class 1 and are therefore suitable for continuous use. All frames with temples are certified for basic usage.

### 4. Protective welding filters/protection level

Protective welding filters should be used for welding only. By selecting the correct level of protection, the filter will protect against harmful radiation in the visible, ultraviolet and infra-red range. Care must be taken to avoid being dazzled by the welding arc. Looking into the welding arc without protection may cause inflammation of the cornea or irreversible clouding of the eye lens (cataract). The level of protection suitable for the welding process should be determined from the following table. The maximum permissible variation is one level upward or downward.

Filter	Application	Gas	l/min
1.7	Against radiation leakage		
2	Flame cleaning		
4	Welding/Brazing	Acetylene	< 70
	Flame cutting	Oxygen	< 900
5	Welding/Brazing	Acetylene	70 > 200
	Flame cutting	Oxygen	900 > 2.000
6	Welding/Brazing	Acetylene	200 > 800
	Flame cutting	Oxygen	> 4,000
8	Flame cutting	Oxygen	> 8,000

### 5. UV absorption

All safety glasses and clip-on lens attachments with polycarbonate lenses have a UV absorption rate of 99.5 % up to 370 nm.

### Single shield goggle, clear

- Stylish convex design
  - Lenses with hard coating
- Lens:** polycarbonate, transparent



**9401 00** Transparent

### Single shield goggle, clear

- Stylish convex design
  - Lenses with hard coating
- Lens:** polycarbonate, transparent or grey



**9619 01** Grey

**NEW**



**9619 00** Transparent

### Universal

- Stylish convex design with straight temples
  - Lenses with hard and anti-fog coating
  - Also available with orange lenses
- Lenses:** polycarbonate



**9413 00** Black grey  
Lenses: transparent



**9413 01** Silver blue  
Lenses: transparent



**9413 12** Brown orange  
Lenses: orange

## Universal

- Stylish curved design with **aspheric** lenses
  - Lenses with hard coating
  - Temples adjustable in length and inclination
- Lens:** polycarbonate, transparent



**9412 00** Black

- Attractive safety goggle with temples and head strap
  - Tight fitting
  - Soft padded frame rim with good ventilation
  - Clear view even through outer parts of the lens
  - With anti-fog and hard coating
- Lens:** polycarbonate, transparent or grey



**9618 01** Black grey  
Lens: grey

**NEW**



**9618 00** Black grey  
Lens: transparent

- Stylish convex design
  - Comfortable strap bridge, individually adjustable
  - Lenses with hard coating
  - Temples adjustable in length and inclination
- Lens:** polycarbonate, grey tinting (78 % tint) or transparent



**9403 05** Blue transparent



**9403 06** Black grey

## Universal XC

- XC stands for X-tra comfort, X-tra coverage, X-tra control
- Perfect fit through easily adjustable temple and comfort bridge
- Lenses with hard and anti-fog coating
- Replacement lenses
- Temples adjustable in length and inclination

**Lens:** polycarbonate, transparent



**9407 00** Blue

**9407 01** Spare lens transparent

These safety goggles are also available as welding safety goggles (see **no. 9407 10** on page 121).



**9407 05**

### Metal clip, glazeable from + 4.00 up to - 4.00 dpt. with cyl. 2.00 dpt.

- Suitable for Universal XC no. 9407 00 and 9407 10
- Easy fitting with a secure fixation
- Flexible metal frame
- Including cloth bag



**This clip in is glazeable with all kinds of lens materials and from any optician, because the certified safety goggle remains unchanged.**

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## Glazeable\*

- Integrated, transparent top and side protection
- Combinable with clip-ons for protection against other types of exposure
- Temples with metal insert, adjustable
- Opening on temple ends for a spectacle band
- Lenses with hard coating

**Lenses:** polycarbonate, transparent

Appropriate clip-ons for protection against the following types of exposure are available upon request: welding, glass blowing, extreme heat from foundries and blast furnaces.



**Polyamide**

**9610 00** Blue-transparent

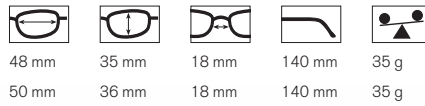
**Glazeable\***

- Integrated, transparent top and side protection
  - Lenses with hard coating
  - Temples adjustable in length and inclination
- Lenses:** polycarbonate, transparent



**9612 00** Blue-transparent

- High quality unisex frame for small faces
  - Side protection made of polycarbonate
  - Lenses with hard coating
- Lenses:** polycarbonate, transparent



**9464 48** Silver matt  
**9464 50** Silver matt



- High quality mens frame
  - Side protection made of polycarbonate
  - Lenses with hard coating
- Lenses:** polycarbonate, transparent








**9465 04** Silver matt

## Glazeable\*

- Mens frame with double bridge
- Side protection made of polycarbonate

**Lenses:** polycarbonate, transparent

					
54 mm	39 mm	17 mm	140 mm	36 g	<b>9615 00</b> Gun
56 mm	41 mm	17 mm	140 mm	36 g	<b>9615 01</b> Gun
59 mm	45 mm	17 mm	140 mm	36 g	<b>9615 02</b> Gun



- Mens frame
- Side protection made of polycarbonate






**Lenses:** polycarbonate, transparent

					
53 mm	35 mm	18 mm	140 mm	35 g	<b>9616 00</b> Gun
56 mm	38 mm	18 mm	140 mm	35 g	<b>9616 01</b> Gun



- Unisex frame
- Side protection made of polycarbonate

**Lenses:** polycarbonate, transparent

					
53 mm	39 mm	17 mm	140 mm	36 g	<b>9617 00</b> Gun
56 mm	42 mm	18 mm	140 mm	36 g	<b>9617 01</b> Gun



## Visitor goggle

- Suitable to wear over corrective spectacles
  - Integrated top and side protection, covers the entire eye area
  - Punched earpiece for fastening spectacle strap
  - Lenses with hard coating
- Lens:** polycarbonate, transparent

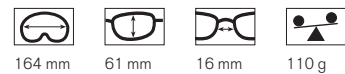


9448 11 Transparent

## Laboratory goggle

- Suitable to wear over corrective spectacles
- Resistant against penetration of hot particulate materials, coarse dust or drops and splashes
- Soft silicone frame for a perfect, individual fit
- Adjustable elastic head band

- Lenses with hard and anti-fog coating
  - Replacement lenses available
- Lens:** Transparent



9450 00 Grey blue

### Replacement lens

- Anti-fog coating
- Hard coating

### 9450 01

Spare lens: transparent

## Welding goggles

### Universal XC

- XC stands for X-tra comfort, X-tra coverage, X-tra control
- Perfect fit through easily adjustable temples and comfortable bridge
- Lenses with hard coating
- Replacement lenses

- Temples adjustable in length and inclination
- Lens:** polycarbonate, green tinting (98 % absorption)



**Protection level 5**

You will find the suitable glazing insert **no. 9407 05** on page 117.

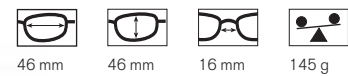
**9407 10** Blue/green

6

- Easy **fitting** for prescription lenses with thread rings
- Made of hypoallergenic polyethylene
- Indirect ventilation slits
- Elastic, adjustable head band
- Lenses with hard coating

### Lenses:

Glare Shield: Athermal-Welding protection lenses (98 % absorption)  
In threaded rings: polycarbonate, transparent



**Protection level 5**

**9437 03** Silver/green

**Spare lenses**  
**Glare shield**

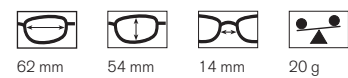
**9437 02**  
Athermal, green

**Spare lenses**  
**Threaded ring**

**9437 04**  
Transparent

## Safety clip-on

- To clip onto the prescription frames
- Flip up
- Lenses with hard coating



- For welding
- **Protection level 5**



**9418 10**  
**Lenses:** polycarbonate, transparent



**9430 20**  
**Lenses:** polycarbonate, green tinting (98 % absorption)

## Side protection Universal

– protection against optical radiation and mechanical influences

- Polycarbonate
- For almost all temples on metal or plastic frames
- Fixation by means of a rubber mounting band
- Temple support: 12 mm
- Eye rim support: 7 mm



**1315 11** Grey transparent



**1315 02** Transparent

- Polycarbonate
- For almost all temples on metal or plastic frames
- Fixation by means of a rubber mounting band
- Temple support: 8 mm
- Eye rim support: 5 mm



**1309 02** Transparent

For thin temples

- Medical polymer, flexible adjustment
- For almost all temples of metal and plastic frames
- Temple support: 9 mm
- Eye rim support: 7 mm



**1308 01** Grey



**1308 02** Black, opaque



**1308 00** Transparent

Flexible

## Side protection Universal – protection against optical radiation

- Leather with adjustable metal rim
- To be fixed inside the eye rim
- Temple loop: 8 mm



**1302 00** Black

- Leather with adjustable metal rim for round frame shapes
- To clip onto the eye rim
- Temple loop: 16 mm
- Eye rim support: 2.5 mm



**1304 02** Black



**1304 01** White

- Leather with adjustable metal rim for round frame shapes
- To clip onto the eye rim
- Temple loop: 18 mm
- Eye rim support: 2 mm



**1305 01** Black



**1305 16** Light brown

For kids frames

- Soft synthetic leather with flexible metal insert
- Adjustable to almost every frame shape
- Temple support: 10 mm
- Temple support at the front: 16 mm



**1303 15** Brown

## Side protection Universal

– protection against slight mechanical influences

- Flexible plastic with adjustable metal rim
- To be fixed inside the eye rim
- Temple loop: 6 mm



1301 01 Black



1301 02 Transparent



9480 02 Grey transparent



9480 10 Brown

- Semi flexible plastic (CA)
- Temple support: 4 mm



9480 03 Transparent

For thin temples

## Nose protection

– protection against optical radiation and slight mechanical influences

- Soft Kevlar
- With long loop and Velcro fastener suitable for every frame
- Individual fitting by adjustable metal clamp



1330 01 Black



1330 02 Beige

