

Technical Datasheet

for Personal Protective Equipment: Flip-down goggles 62x52mm on aluminium U-profile

<u>Articleno.:</u> GFKBR004-1				<u>Description:</u> Flip-down goggles. Lens size: 62x52mm, lenses are replaceable Fixed on aluminium U-profile	
EN Norms:				CE-Certificate:	
EN 166	EN 167	EN 168	EN 171	C5721UHL/R2	
Technical features					
Weight: 100g					
<ul style="list-style-type: none">• U-profile made of high-quality aluminium• secure fit on the helmet due to a powerful tension spring• the goggles are fixed to the U-profile• the lenses are replaceable• lens size 62x52mm				<ul style="list-style-type: none">• the side panels are fixed, this guarantees a clear field of view with the goggles lifted• with a hinge and a slotted sliding mechanism, the goggles can be individually adjusted	
Used materials:					
Profiles:		Aluminium			
Raster:		Strip steel C75S, hardened and zincd			
Tension spring:		Spring steel X12 Chrome-Nickel 17.7K stainless			
Tube:		Soft-PVC			
Goggles:		Polyamid (Nylon)			
Fields of use:					
<ul style="list-style-type: none">• Heavy industry: esp. steel industry, foundries, chemical plants					
Marking:		UHL 166 S CE			

User manual Flip-up goggles



Description

Flip-up goggles

- Flip-up goggles are safety glasses with exchangeable lenses for direct mounting on hard hats. If needed the goggles can be flipped up.
- The safety glasses are available with lens size 62x52mm
- There are three mounting variations for the flip-up goggles:
 - direct fixation to hard hat
 - fixation with alu-profile
 - fixation with visor carrier
- The flip-up goggles are in height and inclination adjustable, so they fit individually.
- The lenses of the flip-up goggles are exchangeable. You can use transparent glasses, welding filters or inspection glasses.
- The flip-up goggles can also be combined with a face-shield. (model GFKBR006-1)

Manual

Direct fixation to hard hat

- Two holes in the brim of the hard hat are needed
- The flip-up goggles are then fixed to the hard hat with two screws and knurled nuts.

Fixation with alu-profile

- To attach the flip-up goggle to the hard hat, the alu-profile is slid on the brim of the hard hat.
- That followed the tension spring is pulled over the back of the hard hat. Thereby the alu-profile cannot slip off the hard hat.

Fixation with visor carrier

- See fixation with alu-profile

Combination with face-shield

- Initially the face shield is attached with one of its oval holes on the rotary fastener and fixed by turning the fastener.

- That followed the visor is pulled over the visor carrier's positioning pins up to the second rotating fastener. There it is also fixed by turning the fastener.

- The face shields are produced in various models. They differ in thickness, shape, shade or material.

- For IR-protection the face shields can be gold-coated.

- On the upper edge the face shields are punched to be attached to the visor carrier.

Storage

Personal protective equipment should be stored in dry rooms. Especially components made of plastics should not be exposed to intense solar radiation.

Cleaning

The flip-up goggles can be cleaned with water and standard detergents. However, the lenses and face-shields should be dried with compressed air to avoid scratches.

Safety checks

Before using the face shield the user should do a safety check.

Damaged face shields or other damaged parts have to be replaced.

Maintenance/repairs

To be checked on a regular basis:

- Attachment and fit of the flip-up goggles on the hard hat. Also the tension spring and the fixation screws should be checked.
- Rivets of the side protection.
- The lenses have to be checked for their transparency and other damages.
- Attachment of the face shield to the visor carrier. Especially the rotating fasteners have to be checked.
- The face shield has to be checked for its transparency and other damages.

Repairs can only be done with the original parts of the manufacturer.

Decay time/aging

All used materials are exposed to environmental impacts like UV-radiation, acid rain and various other impacts. Therefore especially the personal protective equipment made of thermoplastic plastics should be replaced after 3 years the latest.

Replacement indicators for the visor carriers are mainly the period of use and its overall condition.

Marking

Flip-up goggles:

UHL 166 S CE

PC-/PPSU-face shield:

UHL 1 BT 9 CE

CA-/TA-face shield:

UHL 1 FT CE

PC-face shield gold-coated:

2-5 UHL 1 BT 9 CE

4-4 UHL 1 BT 9 CE 0196

4-5 UHL 1 BT 9 CE 0196

Explanation of the marking:

2-5 = UV-shade
 4-4/4-5 = IR-shade
 UHL = Manufacturer
 Rudolf Uhlen GmbH
 166 = EN Norm
 1 = optical class
 F = mechanical impact with low energy
 B = mechanical impact with medium Energy
 S = enhanced resistance
 T = extr. temperatures
 9 = molten metal and hot solids
 CE = CE sign
 0196 = notified body

DIN CERTCO Gesellschaft für Konformitätsbewertung mbH
 Alboinstr. 56
 12103 Berlin
 Notified Body: No. 0196

Warning!

Eye-protection devices against particles with high velocity could transmit the impact energy, if the device is worn together with standard glasses.

If the eye-protection device is composed of two different devices, only the protection of the device with the lower protection class is given.

Notice relating to the mutual compatibility of the marking (s. DIN EN 166 note d, e and f in table 12).

If protection against mechanical impacts with high velocity in extreme temperatures is needed, the used eye protection device has to be marked with the letter T after the letter for the impact protection, i.e. BT. Otherwise the eye protection

device can only be used against impacts with high velocity in room temperature.

Article list:

Flip-up goggles:

GFKBR002-1
 GFKBR004-1
 GFKBR006-1

Face-shield made of PC

GFKVI002	GFKVI002-1
GFKVI002-3	GFKVI002-4
GFKVI002-5	GFKVI002-9
GFKVI016-2	GFKVI016-3
GFKVI102	GFKVI102-5
GFKVI102-9	GFKVI202
GFKVI202-2	GFKVI204

Face shield made of CA

GFKVI007	GFKVI007-4
GFKVI007-9	GFKVI200
GFKVI200-2	

Face shield made of TA

GFKVI005

Face shield made of PPSU

GFKVI513

Face shield gold-coated

GFKVI001	GFKVI001-1
GFKVI001-2	GFKVI001-6

Manufacturer:

Rudolf Uhlen GmbH
 Am Höfgen 13 – 42781 Haan
 Tel.: 02129/1444
 Fax: 02129/59980
 Internet: www.aschua-uhlen.de
 E-mail: info@aschua-uhlen.de
 Gen. manager: Volker Fiedler
 Steffen Fiedler
 Trade register no.: HRB 17088
 Register court Wuppertal

EU-Baumusterprüfbescheinigung

Inhaber	Rudolf Uhlen GmbH Am Höfgen 13 42781 Haan DEUTSCHLAND
Registernummer	C5721UHL/R2
Produkt	Tragkörper für Gesichtsschutzschilde
Typ, Modell	Brillenmodell A: GFKBR002-1, GFKBR004-1 und GFKBR006-1
Prüfgrundlage(n)	DIN EN 166:2002-04
Prüfberichte/ Prüfzeichen	12821-PZA-17, 10527-PZA-19, 10528-PZA-19, 10529-PZA-19, 14103-PZA-22, 14104-PZA-22, 14105-PZA-22
Kennzeichnung des Produktes	Detaillierte Kennzeichnung siehe Anhang
Gültigkeitszeitraum	2023-05-17 bis 2027-09-27
Konformität	<p>DIN CERTCO bestätigt die Übereinstimmung des Baumusters mit den geltenden grundlegenden Gesundheitsschutz- und Sicherheitsanforderungen nach Anhang II der Verordnung (EU) 2016/425 für persönliche Schutzausrüstung. Die Bewertung beruht auf den vom Hersteller oder vom bevollmächtigten Vertreter eingereichten Prüfmustern, den technischen Unterlagen, sowie dem Prüfbericht des Prüflabors.</p> <p>Eventuell vorhandene Vorgängerversionen dieser EU-Baumusterprüfbescheinigung verlieren hiermit ihre Gültigkeit.</p> <p>Weitere Informationen siehe Anhang.</p>

2023-05-17

Dipl.-Phys. Carlo Seiser
Benannte Stelle 0196



ANHANG

Seite 1 von 2

Zertifikat	C5721UHL/R2 von 2023-05-17
Herstellerkennzeichen	UHL
Kennzeichnung des Produktes	UHL 166 S CE
Produktspezifikationen	<p>Grad der mechanischen Festigkeit: Erhöhte Festigkeit S</p> <p>Material: Polycarbonat, Metall Farbe: Schwarz/silber/weiß</p> <p>Geeignet für: UV-Schutzfilter bis Schutzstufe 2-5/3-5 und IR-Schutzfilter bis Schutzstufe 4-10</p>
Weitere Produktinformationen	<p>GFKBR002-1: Klappbrille für direkte Helmmontage GFKBR004-1: Klappbrille am Alu-U-Profil GFKBR006-1: Klappbrille an Helmhalterung</p>
Bestimmungen/Pflichten	<p>Diese EU-Baumusterprüfbescheinigung ist Eigentum von DIN CERTCO und kann zurückgezogen werden, sofern die Bedingungen, die zur ihrer Ausstellung geführt haben, nicht mehr erfüllt sind.</p> <p>Die Informationsbroschüre (Gebrauchsanweisung) zum genannten Augenschutzprodukt muss in den Amtssprachen des Bestimmungslandes verfasst sein und unter anderem folgende Angaben zur notifizierten Stelle enthalten:</p> <p>DIN CERTCO Gesellschaft für Konformitätsbewertung mbH Alboinstraße 56 12103 BERLIN DEUTSCHLAND Kennnummer der notifizierten Stelle: 0196</p> <p>Auf dem Produkt muss, soweit möglich, eine Typen-, Chargen- oder Seriennummer oder ein anderes Kennzeichen zur Identifikation angebracht sein.</p> <p>Auf dem Produkt muss, soweit möglich, der Name und die Postanschrift des Herstellers oder, sofern dieser nicht im Europäischen Wirtschaftsraum ansässig ist, der Name und die Postanschrift eines im Europäischen Wirtschaftsraumes ansässigen bevollmächtigten Vertreters oder Einführers angebracht sein.</p>



ANHANG

Seite 2 von 2

Zertifikat

C5721UHL/R2 von 2023-05-17

Auf dem Produkt und dessen Verpackung muss Monat und Jahr der Herstellung und/oder Monat und Jahr des Verfalls unauslöschlich und eindeutig angebracht sein.

Es ist nicht gestattet, dass Produkt mit der Kennnummer 0196 zu kennzeichnen.

Jede Änderung am Produkt, den technischen Unterlagen oder dem Qualitätssicherungssystem muss DIN CERTCO schriftlich mitgeteilt werden.

Es gelten die Allgemeinen Geschäftsbedingungen von DIN CERTCO.



EU-DECLARATION OF CONFORMITY (2023.R2)

1. PPE: **GFKBR004-1**
2. Manufacturer: **Rudolf Uhlen GmbH
Am Höfgen 13
42781 Haan**
3. This declaration of conformity is issued under the sole responsibility of the manufacturer:
Rudolf Uhlen GmbH.
4. Object of the declaration:
Flip-up goggles, direct installation on helmet fixed on U-profile, black, lens size:
62x52mm, without lenses, elong. hole rail
5. The object of the declaration described in point 4 is in conformity with the relevant Union harmonisation legislation: guideline 2001/95/EG and regulation (EU) 2016/425.
6. References to the relevant harmonised standards used, including the date of the standard, or references to the other technical specifications, including the date of the specification, in relation to which conformity is declared: EN 166:2002.
7. The notified body DIN CERTCO Gesellschaft für Konformitätsbewertung mbH Alboinstr. 56, 12103 Berlin (0196) performed the EU type-examination (Module B) and issued the EU type-examination certificate **C5721UHL/R2**.
9. Additional information:
Signed for and on behalf of:
Rudolf Uhlen GmbH



Haan, 17. May 2023:



Steffen Fiedler
-General manager-