

Technical Datasheet

for Personal Protective Equipment: Headgear with forehead guard

<u>Articleno.:</u> GFKKH200		<u>Description:</u> Headgear with forehead guard	
<u>EN Norms:</u>		<u>CE-Certificate:</u>	
EN 166		C1878UHL/R5	
Technical features			
Weight: 203g			
<ul style="list-style-type: none"> headgear made of plastics the head width is adjusted by means of a knob 		<ul style="list-style-type: none"> the face shields are attached with an eccentric toggle to the forehead guard the face shields can be lifted 	
<u>Used materials:</u>			
Forehead guard:	Polypropylene (PP) GV 20		
Headgear:	Polyethylene (LDPE)		
Plastic screws:	Polypropylene (PP) GV 30		
Sweat band:	Leather substitute		
<u>Fields of use:</u>			
<ul style="list-style-type: none"> workplaces without hard hat duty (e.g. laboratories) 			
<u>Marking:</u>	UHL 166 B CE		

For gold-coated face shields of Rudolf Uhlen applies:

The visor is made of polycarbonate. This plastic starts melting at a temperature of 150°C. Although the gold-coating reflects a major part of the radiant heat, this melting temperature will eventually be reached, dependent on the temperature of the heat source as well as the time in front of and the distance to the heat source. At this point at the latest, the operations should be stopped to maintain the full functioning of the face shield.

Warning!

The safety officer should be contacted to ensure an adequate protection at work.

Plastic can cause an allergic reaction of the skin of sensitive persons.

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

Manufacturer:

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 compability of the marking (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.

Articlelist

Headgear

GFKKH200 GFKKH200-1
GFKKH200-2 GFKKH203

Face shields PC

GFKVI002 GFKVI002-1
GFKVI002-3 GFKVI002-4
GFKVI002-5 GFKVI002-7
GFKVI002-9 GFKVI016-2
GFKVI016-3 GFKVI032
GFKVI045 GFKVI102
GFKVI102-5 GFKVI102-9
GFKVI202 GFKVI202-2
GFKVI204 GFKVI207

Face shields CA

GFKVI007 GFKVI007-4
GFKVI007-7 GFKVI007-9
GFKVI032 GFKVI107
GFKVI107-9 GFKVI200
GFKVI200-2

Face shields TA

GFKVI005

Face shields PPSU

GFKVI513

Face shields PC

gold-coated

GFKVI001 GFKVI001-1
GFKVI001-2 GFKVI001-3
GFKVI001-6 GFKVI001-9
GFKVI210 GFKVI210-1
GFKVI210-2 GFKVI210-3
GFKVI210-6 GFKVI210-9

User manual Headgear with forehead guard and face shield



RUDOLF UHLEN GmbH

Aschua

Herstellung von Arbeitsschutzartikeln

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Trade register no.: HRB 17088 Register court Wuppertal

Documentno.:
01.07.2021 / R1

Description

Headgear with forehead guard

- The headgear is a face protection device that can be attached to the head without a hard hat.
- It consists of a headgear and a forehead guard to which the face shield is attached.
- The head gear is adjusted by means of a turning knob. It fits head widths between 50 – 60cm.
- The forehead padding is made of artificial leather and it is replaceable.
- The face shields are attached with an eccentric knob to the forehead guard.
- The forehead guard can be lifted and locked with two screw heads.

Face shield

The face shields fit both the Rudolf Uhlen headgear as well as the Rudolf Uhlen visor carriers.

- The face shields can be produced in various models. They differ in thickness, shape, shade or material.
- For infrared protection the face shields can be coated with a layer of gold.

- On the upper edge the face shields are punched to attach them to the visor carrier.

Manual

- Initially the face shield is shoved with one of its oval holes on one of the eccentric knobs.
- The eccentric knob is turned backwards and fixes the face shield on one side.
- That followed the face shield is pulled over the forehead guard to the second eccentric knob. Please make sure that the face shield sits in the slots on the upper side of the forehead guard.
- To shove the face shield on the second eccentric knob, the knob should be turned so that it points down vertically. Now the face shield can be shoved on the eccentric knob from below.

- Finally the eccentric knob is turned backwards and the face shield is attached to the headgear.

- The headgear is put on the head and adjusted to the individual head width. Therefore the knob on the adjusting device has to be pushed and with the other hand the ratchet wheel has to be turned until the head gear fits the head.

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 headgear with forehead guard and the face-shields can be cleaned with water and standard detergents. However, the face shields should be dried with compressed air to avoid scratches.

Disinfection

The headgear with forehead guard and face shields can be treated with mild, standard disinfectants.

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

Maintenance has to be conducted on a regular basis.

To be checked in particular:

- Mobility of the head width adjusting device.
- Screw joint of the forehead guard and the headgear. If necessary the screw need to be tightened.

- Attachment of the face shield to the headgear. Especially the eccentric knobs 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 headgear are mainly the period of use and its overall condition

Technical features

Headgear with forehead guard

- **Forehead guard**
Polypropylen (PP) TV 20
- **Headgear**
Polyethylen (PE)-LD
- **Plastic screws**
Polypropylen (PP) GV 30
- **Forehead padding**
Artificial leather

Face shields

- Polycarbonate 1mm
- Cellulose-Acetate 1,15mm

Marking

Headgear with forehead guard:

UHL 166 B CE
UHL 166 B UKCA

PC-face shield:

UHL 1 BT 9 CE
UHL 1 BT 9 UKCA

CA-face shield:

UHL 1 FT CE
UHL 1 FT UKCA

PC-face shield goldcoated:

2-5 UHL 1 BT CE
4-4 UHL 1 BT 9 CE 0196
4-5 UHL 1 BT 9 CE 0196
4-6 UHL 1 BT 9 CE 0196
2-5 UHL 1 BT UKCA
4-4 UHL 1 BT 9 UKCA 2571
4-5 UHL 1 BT 9 UKCA 2571
4-6 UHL 1 BT 9 UKCA 2571

The articles are tested according to
EN 166:2001
EN 170:2002
EN 171:2002

Explanation of the marking:

2-5 = UV-shade
4-4/4-5/= IR-shade
4-6
UHL = Manufacturer Rudolf Uhlen
166 = EN Norm
1 = optical class
F = mechanical impact with low energy
B = mechanical impact with medium energy
T = extr. temperatures
9 = molten metal and hot solids
CE = CE sign
UKCA = UKCA sign
0196 = notified body
2571 = approved body

DIN CERTCO Gesellschaft für Konformitätsbewertung mbH
Alboinstr. 56
12103 Berlin
Notified Body: Nr. 0196

TUV Rheinland UK Ltd.
Friars Gate (Third Floor)
1011 Stratford Road
Shirley, Solihull B90 4BN, UK
Approved Body No.: 2751

General remarks

The face shield should only be used with the correct visor carrier (all Rudolf Uhlen GmbH models). The visor carrier should fit the hard hat properly. In case of doubt users should contact Rudolf Uhlen GmbH.

When approaching the danger zone the face shield has to be flipped down.

The face shields provide protection against mechanical impacts of class „F“ (45m/s) resp. „B“ (120m/s). These risks were tested under standard conditions.

The user should employ the protective shade according to the work environment. The „Guidance on selection and use“ of DIN EN 171 gives direction for the right choice.

IR-shade	Temp. in °C
4-4	1290
4-5	1390
4-6	1510

EU-Baumusterprüfbescheinigung

Inhaber	Rudolf Uhlen GmbH Am Höfgen 13 42781 Haan DEUTSCHLAND
Registernummer	C1878UHL/R5
Produkt	Tragkörper für Gesichtsschutzschilde
Typ, Modell	GFKKH200 / GFKKH203
Prüfgrundlage(n)	DIN EN 166:2002-04
Prüfberichte/ Prüfzeichen	0595-MPA-01, 11991-PZA-06, 119911-PZA-12, 119912-PZA-12, 13731-PZA-17, 13732-PZA-17, 13733-PZA-17, 10525-PZA-19, 10526-PZA-19, 14921-PZA-20, 14101-PZA-22, 14102-PZA-22
Kennzeichnung des Produktes	Detaillierte Kennzeichnung siehe Anhang
Gültigkeitszeitraum	2023-05-17 bis 2027-10-08
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

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Zertifikat	C1878UHL/R5 von 2023-05-17
Herstellerkennzeichen	UHL
Kennzeichnung des Produktes	UHL 166 BT CE
Produktspezifikationen	<p>Grad der mechanischen Festigkeit: Schutz gegen Teilchen hoher Geschwindigkeit bei extremen Temperaturen BT (120 m/s)</p> <p>Material: PP, LDPE, PC, Stahl Farbe: Grau/farblos/silber</p>
Weitere Produktinformationen	<p>GFKKH200: mit Stirnschutz für Standarscheiben GFKKH200-1: mit Stirnschutz für große Scheiben mit Langloch GFKKH200-2: mit Stirnschutz für kleine Scheiben mit Langloch</p> <p>GFKKH203: mit verlängertem Stirnschutz für Standarscheiben</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

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Zertifikat

C1878UHL/R5 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, das 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.



Rudolf Uhlen GmbH - Am Höfgen 13 - 42781 Haan

EU-DECLARATION OF CONFORMITY (2019.R1)

1. PPE: **GFKKH200**



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:
Headgear with forehead guard

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 **C1878UHL/R5**.

9. Additional information:
Signed for and on behalf of:
Rudolf Uhlen GmbH

Haan, 17. May 2023:



Steffen Fiedler
-General manager-