

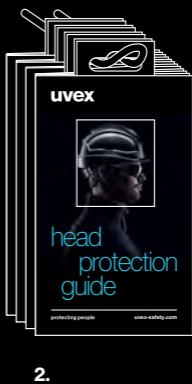
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head
protection
guide

protecting people

uvex-safety.com



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uvex Head Protection Guide

Everything you need to know
about head protection



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Definition of head protection

The following terms are defined within the meaning of German Institute for Occupational Health and Safety (DGUV) regulation 112–139 "use of head protection":

Industrial safety helmets are items of head protection made from hard-wearing material that are designed to protect the head in particular against falling objects, suspended loads and impacts with fixed objects.

Industrial bump caps are items of head protection designed to protect the head against injuries due to impact with hard, fixed objects.

Legal note

uvex does not accept any liability for any damage arising from the use of this guide and in particular, for health effects caused as a result of using head protection suggested within the helmet guide. This helmet guide must not be considered as a substitute for either a risk analysis or purchase advice.

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Cleaning industrial safety helmets

Any plastic parts of the helmet can be cleaned with water and commercially available cleaning agents and disinfected using commercially available disinfectants. Do not clean helmets with non-approved solvents. Please ask uvex if in doubt.

Cleaning industrial bump caps

Remove light soiling with a soft brush/damp cloth. The textile component can be washed by hand with a mild cleaning agent. Complete industrial bump caps can be disinfected using a mild, commercially available disinfectant.

Maintaining industrial safety helmets

Regularly check your helmet for damage and make sure that the interior of the helmet is connected to the helmet shell. Replace your helmet if it has taken a hit or undergone any impact or is in any way damaged. The helmet may only be modified or altered using tools approved by the manufacturer.

Maintaining industrial bump caps

Regularly check your cap for damage, cracks and distortion and replace your cap if necessary. Replace your industrial bump cap if it has undergone any impact – even if there is no visible damage.

Use/storage

Store work safety helmets/industrial bump caps at room temperature in a dry room; avoid strong sunlight (e.g. do not store the safety helmet/

industrial bump cap on the rear window shelf of a car). Helmets and caps can be stored for up to four years before being used for the first time. Once the particular item of head protection has been used for the first time, we recommend using it for a period of four years. It is therefore important to note the date on which the item of headgear was first worn.



Overview of standards regarding head protection

EN 397 – Industrial safety helmets

Protection against falling objects and the consequences thereof, such as brain damage and skull fracture.

Binding requirements

All helmets certified according to EN 397 must meet these requirements.

- Shock absorption – vertical
- Penetration resistance (against sharp and pointed objects)
- Flame resistance
- Chin strap attachment: Chin strap releases at minimum 150 N and maximum 250 N



Optional requirements

A helmet certified in accordance with EN 397 may meet these requirements; they are, however, not mandatory requirements.

- Very low temperatures (-20°C or -30°C)

uvex super boss

uvex airwing

uvex pheos

uvex pheos alpine



- Very high temperatures ($+150^{\circ}\text{C}$)

uvex thermo boss



- Electrical insulation (440 V)

uvex thermo boss

uvex airwing E



- Molten metal (MM)

uvex pheos



- Lateral deformation

EN 50365 – Electrical insulating helmets for use on low voltage installations

Protection against electric shocks and prevention of dangerous electric current passing through the head.

EN 50365 requirements:

- All helmets must also meet the requirements in accordance with EN 397
- Protection against alternating voltage of up to 1000 V (AC) or direct voltage up to 1500 V (DC)
- Insulating helmets must not contain any conductive parts
- Air vents (if present) must not allow any accidental contact with live parts

uvex pheos E



EN 12492 – Helmets for mountaineers

Protection against hazards that may occur during activities undertaken by mountaineers.

- Shock absorption – vertical, frontal, lateral, dorsal
- Penetration resistance
- Carrier element (chin strap releases at min. 500N)
- Strength of carrier element: Chin strap may exhibit maximum elongation of 25 mm
- Effectiveness of carrier element: Helmet must not slide from the head

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uvex perffexion



EN 14052 – High-performance industrial safety helmets

Designed to offer protection against falling objects and lateral impact along with the resulting damage to the brain, skull and neck.

Binding requirements:

- Shock absorption – vertical and lateral
- Penetration resistance – vertical and lateral
- Yield of fastening system: Chin strap yields at minimum 150 N and maximum 250 N
- Effectiveness of fastening system: During the shock absorption and penetration test, the helmet must not become detached from the test head
- Flame resistance

A helmet certified in accordance with EN 14052 may meet these requirements; they are, however, not mandatory requirements.

Optional:

- Low temperatures (-20°C, -30°C, -40°C)
- Higher temperatures (150°C)
- Radiant heat
- Electrical insulation
- Molten metal (MM)



uvex perfixion

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EN 1078 – Helmets for pedal cyclists

Protection against hazards that may occur when cycling or skateboarding.

- Full field of vision without any restrictions
- Shock absorption – vertical, frontal, lateral, dorsal
- Strength of carrier element: Chin strap may exhibit maximum elongation of 25 mm
- It must be possible to release the chin strap with one hand

uvex perfixion



Overview of head protection products

uvex airwing B



uvex airwing C



uvex airwing E



**EN 397
-30° C**

B: 51 – 61 cm
WR: 52 – 61 cm

**EN 397
-30° C**

C: 51 – 61 cm
WR: 52 – 61 cm

**EN 397
440 V AC
-30° C**

E: 51 – 61 cm
WR: 52 – 61 cm

Other product variants

**uvex airwing
B-WR**

**uvex airwing
B-S**

**uvex airwing
B-S-WR**

**uvex airwing
C-WR**

**uvex airwing
E-WR**

uvex super boss



**EN 397
-20° C**

52 – 61 cm

uvex thermo boss



**EN 397
440 V AC
+150° C**

52 – 61 cm



Overview of head protection products

uvex pheos B



uvex pheos IES



uvex pheos C



**EN 397
-30° C, MM**

B: 51 – 61 cm
WR: 52 – 61 cm

**EN 397
-30° C, MM**

55 – 61 cm

**EN 397
-30° C, MM**

C: 51 – 61 cm
WR: 52 – 61 cm

Other product variants

**uvex pheos
B-WR**

**uvex pheos
B-S**

**uvex pheos
B-S-WR**

**uvex pheos
IES-S**

**uvex pheos
C-WR**

uvex pheos E



**uvex 9780
antistatic**



**uvex pheos
alpine**



**EN 397
EN 50365
-30° C, MM**

E: 51 – 61 cm
WR: 52 – 61 cm

**EN 397
ATEX Directive
94/9/EG**

9780: 51 – 61 cm
WR: 52 – 61 cm

**EN 397
EN 12492**

52 – 61 cm

**uvex pheos
E-WR**

**uvex pheos
E-S**

**uvex pheos
E-S-WR**

**uvex 9780
antistatic
-WR**

Overview of head protection products

uvex perfexxion



**EN 14052, EN 12492,
EN 1078**

M: 52 – 57 cm

**EN 14052, EN 12492,
EN 1078**

L: 58 – 63 cm

- Unique combination of standards
EN 14052 high-performance industrial standard,
EN 12492 mountaineering standard and
EN 1078 bicycle helmet standard
- No additional chin strap necessary – simple
combination of the EN 14052 industrial helmet and
the EN 12492 helmet for mountaineers/EN 1078
helmet for pedal cyclists due to fastening mechanism
- Six variable and convenient air vents for maximum
ventilation
- Suspension harness with convenient inner mesh for
added comfort
- Optimum fit thanks to two different
sizes (M and L)

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Accessories

uvex super boss/uvex thermo boss/uvex airwing

<p>Suspension harness uvex super boss uvex thermo boss</p> <p>9790.000</p> 	<p>Suspension harness uvex airwing</p> <p>9760.000</p> 	<p>Suspension harness uvex airwing wheel ratchet</p> <p>9760.001</p> 
<p>Sweatband uvex super boss uvex thermo boss</p> <p>9790.004</p> 	<p>Sweatband uvex airwing</p> <p>9760.005</p> 	<p>Leather chin strap</p> <p>9790.005</p> 
<p>Forked chin strap</p> <p>9790.007</p> 	<p>Winter cap</p> <p>9790.065/9790.068</p> 	<p>Balaclava</p> <p>9790.005</p> 

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Neck protection

9790.076
9790.075



uvex
cooling
Neck protection

9790.086



uvex
Visor

9790.048
9790.047



uvex K1H (27 dB)

2600.201



uvex K2H (30 dB)

2600.202



Accessories

uvex pheos

Suspension harness
uvex pheos

9760.000



Suspension harness
uvex uvex pheos
wheel ratchet

9760.001



Suspension harness
uvex 9780

9780.001



Sweatband
uvex pheos

9760.005



Suspension harness
uvex pheos alpine

9760.011



Suspension harness
uvex pheos E-WR

9760.012



Sweatband
uvex pheos
uvex pheos alpine

9760.007



Suspension harness
uvex pheos IES

9772.001



Sweatband
uvex pheos IES

9760.007



Mount
uvex pheos
9772.002



Mount
uvex pheos s
9790.084



Mount
uvex i-works
9790.085



Leather chin strap
uvex pheos
9790.005



Leather chin strap
uvex pheos IES
9790.035



Forked chin strap
uvex pheos
9790.021



Wide-vision
goggles mount
uvex pheos
9790.022



Pen holder
uvex pheos
9790.023



Winter cap
uvex pheos
9700.065/9790.068



Accessories

uvex pheos

Balaclava
uvex pheos

9760.000



uvex
Neck protection

9790.076
9790.075



uvex
cooling
Neck protection

9790.086



uvex K1H
27 dB

2600.201



uvex K2H
30 dB

2600.202



uvex Visor 9906
9906.002/9906.003
9906.005/9906.006
9906.007/9906.008



LED head torch
uvex pheos Lights
EX

9790.062/9790.063



LED head torch
uvex KS-6001-Duo

9790.029



LED head torch
uvex u-cap sport+
Helmet adapter

9790.064/9790.069







EN 812 – Industrial bump caps

Protect the wearer against any impact with hard, fixed objects and the consequences thereof such as lacerations or other superficial injuries.

Binding requirements:

All industrial bump caps certified in accordance with EN 812 must meet these requirements.

- Impact resistance – frontal and dorsal
- Penetration resistance (against sharp and pointed objects)
- Chin strap holder (if the industrial bump cap features a chin strap holder)
Chin strap releases at minimum 150 N and maximum 250 N

Optional requirements:

- Very low temperatures (-20° C oder -30° C)
- Flame resistance
- Electrical properties

uvex u-cap sport



Overview of industrial bump cap products

**uvex u-cap sport
Long brim**



**uvex u-cap sport
Short brim**



**uvex u-cap
Sports vent**



Available in
three sizes
52 – 54 cm
55 – 59 cm
60 – 63 cm

Available in
three sizes
52 – 54 cm
55 – 59 cm
60 – 63 cm

Available in
three sizes
52 – 54 cm
55 – 59 cm
60 – 63 cm

Other product variants

**with suspension
harness**

Baseball-Cap

**with suspension
harness**

Baseball-Cap

**with suspension
harness**

Baseball-Cap

**uvex u-cap sport
navy blue**



**uvex u-cap sport
Hi vis**



**uvex u-cap sport
with suspension
harness**



Available in
three sizes
52 – 54 cm
55 – 59 cm
60 – 63 cm

Available in
three sizes
52 – 54 cm
55 – 59 cm
60 – 63 cm

one size

**with suspension
harness**

Baseball-Cap

**with suspension
harness**

Baseball-Cap

Bei Befüllung
von Silo, Schalter
auf EIN

Tab Steam TICA



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