

UIAA 106

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Helmets for Mountaineers

Climbing and Mountaineering Equipment



International Climbing and Mountaineering Federation
UNION INTERNATIONALE DES ASSOCIATIONS D'ALPINISME

UIAA Safety Standard – 106 – Version 4.0

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Foreword

UIAA standards are the only ‘globally recognized’ standards for mountaineering equipment. In order to prevent multiplicity, the UIAA collaborates with its partner in standardization, CEN, and bases UIAA 106 on the European Standard EN 12492:2025.

The EN standards are derived from the original UIAA standards, the first of their kind. The UIAA publishes user-friendly pictorials for each standard. UIAA 106 imposes requirements in addition to those of EN 12492:2025.

The UIAA standards are reviewed at intervals to see whether they meet the latest technical requirements and revised if necessary.

The UIAA invites manufacturers of mountaineering and climbing equipment worldwide to become members of the UIAA Safety Commission as Safety Label Holders. Members can participate in discussions on standard requirements, test methods, and revisions thereof (see the “[Regulations for existing and potential Safety Label Holders](#)”).

A complete list of UIAA standards for mountaineering and climbing equipment can be found on the UIAA website www.theuiaa.org/safety-standards/.

NOTE – Owing to copyright restrictions, this UIAA Standard does not reproduce the full requirements of the referenced standards. To ensure full compliance, those applying this standard must obtain official copies of these documents. They are available for purchase from the [CEN](#) website.

This standard has been created and updated based on scientific research coordinated and funded by UIAA, as a service to all mountaineers.

Copyright and Version Management

© 2013, 2017, 2018 & 2025

This document was first published in English. The English master text is decisive in any conflict of interpretation. For any validations in translation, the UIAA should be contacted via the UIAA Office in Bern, Switzerland.

UIAA declarations, standards, documents and guidelines are subject to review. Updates are recorded in the version history provided at the end of this document.

UIAA documents are generally produced by the responsible Commission and are subject to approval in accordance with the UIAA Articles of Association. All UIAA documents can be found on the relevant subject area on the UIAA website.

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The versioning is Vx.y, where:

- x Major revision of the document. Each change in requirement implies a main evolution.
- y Minor revision of the document. Editorial or non-technical updates.

For example, **V5.0** denotes the fifth major revision of the document.

Note that test reports comprising only the main issue, e.g., V5, are also accepted (instead of, e.g., V5.2) since the requirements are identical.

Normative References

The following documents are referenced in such a way that their content, in whole or in part, constitutes requirements of this standard. For dated references, only the edition cited applies. For undated references, the latest edition (including any amendments) applies.

EN 12492:2025, *Mountaineering equipment - Helmets for mountaineers - Safety requirements and test methods*

1 General Remarks on the UIAA Trademark and UIAA Label

1.1 The UIAA Trademark (see [Clause 5](#)) is copyright protected internationally. The UIAA Safety Label is only granted to items of mountaineering and climbing equipment upon approval of the prospective label holder's application by the UIAA.

1.2 The procedure to be followed by a manufacturer, when applying for a UIAA Safety Label, is laid down in the "[Regulations for existing and potential Safety Label Holders](#)" available at the [UIAA website](#).

2 Requirements

2.1 The UIAA Label can only be granted for helmets for mountaineers which meet all the requirements of EN 12492:2025, with the following exception:

2.1.1 No EN number required.

2.2 For the award of the UIAA Label, the following additional safety requirements shall be met:

2.2.1 Safety Requirements

The force transmitted to the head form as a result of the impact of the falling mass shall not exceed 8 kN for the crown top impact test as per EN 12492:2025, Clause 4.2.1.1, and for the off-crown front, side and rear impact tests as per EN 12492:2025, Clause 4.2.1.2.

2.2.2 Test Methods

The test methods shall be as stated in the relevant part of EN 12492:2025.

3 Demonstrating that the Requirements are Met

3.1 The requirements of [2.1](#) shall be satisfied by a test report from a UIAA-approved test laboratory.

3.2 The requirements of [2.2](#) shall be satisfied by a test report from a UIAA-approved test laboratory.

4 Information to be Supplied

The "information to be supplied" shall be given in standard English and, if required, in the official language(s) of the country in which the product is made available on the market. As an alternative to a printed form, the information may be provided via an electronic or other data storage format link (e.g., a QR code) allowing the downloading of the information. The information link shall be preceded or surmounted by an icon showing an open booklet; the information link and icon may be directly printed on the product in a clearly visible and accessible place.



Figure 1: UIAA Trademark or the four letters "UIAA" word mark.

5 Attachment of the UIAA Safety Label

5.1 Safety Label Marking

5.2 For any model of mountaineering equipment, which has been granted the UIAA Safety Label, the UIAA Trademark (see [Figure 1](#)) or the four letters "UIAA" shall be marked clearly and indelibly on each item sold in

accordance with the branding guidelines specified in the [“Regulations for existing and potential Safety Label Holders”](#).

5.3 Other

In addition, the UIAA Trademark or the four letters “UIAA” may be included in the instructions for use and/or on a swing ticket as well as in catalogs and other publications of the manufacturer. In the last case, the illustration and/or the text shall clearly apply only to the equipment which has been granted the UIAA Safety Label.

Revision History

V4.0 — July 2025

EN 12492:2012 updated to EN 12492:2025

V3 — Feb 2018

EN 12492:2000 updated to EN 12492:2012

V2 — June 2017

4.1 The information to be supplied: (in accordance with EN 12492:2012) shall be given in English, or at least in the language of the country in which the product is sold.

Has been updated with: The "information to be supplied" shall be given in standard English and, if required, in the official language(s) of the country in which the product is made available on the market. As an alternative to a printed form, the information may be provided via an electronic or other data storage format link (e.g. a QR code) allowing the downloading of the information. The information link shall be preceded or surmounted by an icon showing an open booklet; the information link and icon may be directly printed on the product in a clearly visible and accessible place. Unanimously approved Safecom Worden June 2017.

V1 — March 2013

Corrections of last EN norm + in point 3