



**'LOW STRETCH
ROPES'**

**Climbing and
Mountaineering Equipment**

**UIAA
107**

Foreword

This UIAA Standard is only published in the English language version, which is the master text. For any validations in translation, the UIAA Safety Commission should be contacted via the UIAA Office in Bern, Switzerland.

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 standard 107 on the European Standard EN 1891:1998. The EN Standards in turn are based on the original UIAA Standards, the first of their kind in the world. Additionally the UIAA publishes pictorials for each of the standards in a user-friendly way. This UIAA Standard 107 also has additional requirements over and above those in EN 1891:1998.

Owing to copyright restrictions, this UIAA Standard does not state the full requirements of EN 1891:1998 to which it refers. Hence it is necessary to obtain a copy of EN 1891:1998. The procedure for purchasing the EN Standards is included at the end of the text of this standard. 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 "General Regulations for the UIAA Safety Label").

A [complete list of UIAA Standards](#) for mountaineering and climbing equipment can be found on the UIAA website.

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

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Copyright and Version Management

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 details stated on the front page 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 Version number refers to the latest revision, e.g. V4 is the fourth change to the document. The last update is the date of this latest version.

1. General Remarks on the UIAA Trademark and UIAA Label

- 1.1 The UIAA Trademark (see section 5.1.) is copyright protected internationally. The UIAA Label is only given to items of mountaineering and climbing equipment upon approval of prospective label holder's application from the UIAA.
- 1.2 The procedure to be followed by a manufacturer, when applying for a UIAA Label, is laid down in the "General Regulations for the UIAA Safety Label Certification".

2 Requirements for Low stretch ropes

- 2.1 The UIAA Label can only be granted for low stretch ropes which meet all the requirements of EN 1891:1998, 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. Marking- Low stretch ropes shall be marked as follows:
 - a. The sheath shall have one main colour, which shall be at least 80 % of the visible surface (any colour is possible).
 - b. Contrasting spiral threads are allowed, spiralling in one direction only, having a maximum of two colours.
 - 2.2.2. Test Methods

The percentage of the visible main colour shall be calculated by counting the number of threads of that colour, and expressing this number as a percentage of the total number of threads. Check that any contrasting threads spiral in one direction only, and that there is a maximum of two colours in the spiral threads.
 - 2.2.3. Package

If low stretch rope is supplied on a drum and consists of more than one piece, the number of pieces shall be stated on the drum.

3. Demonstrating that the Requirements are met

- 3.1 The requirements of section 2.1 shall be satisfied by a test report from a UIAA-approved test laboratory.
- 3.2 The requirements of section 2.2 shall be satisfied by the manufacturer certifying on the Safety Label Test Template Form that the product meets this particular requirement.

4 Information to be supplied

- 4.1 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.

5 Attachment of the UIAA Label

5.1 For any model of mountaineering equipment, which has been awarded the UIAA Label, the UIAA recommends that the UIAA Trademark (see below) or the four letters "UIAA" be marked clearly, indelibly and permanently on each item sold.



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5.2 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 catalogues and other publications of the manufacturer. In the last case, the illustration and/or the text must clearly apply only to the equipment which has been awarded the UIAA Label.

Last Updated	Remarks
Feb 2018	Updates to new standard font
June 2017	<p>4.1 <u>The information to be supplied:</u> (in accordance with EN 1891:1998) shall be given in English, or at least in the language of the country in which the product is sold.</p> <p>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</p>
Nov 29, 2016	<p><u>Corrections of last EN norm + in point 3</u></p> <p>2.2.3. Package</p> <p>If <u>accessory cord</u> is supplied on a drum and consists of more than one piece, the number of pieces shall be stated on the drum.</p> <p>Replace accessory cord with <u>low stretch rope</u>.</p>
March 8, 2013	<u>Corrections of last EN norm + in point 3</u>

*Copies of the EN Standards can be purchased from [EN website](#)