


**THE INTERNATIONAL MOUNTAINEERING AND CLIMBING FEDERATION**  
**UNION INTERNATIONALE DES ASSOCIATIONS D'ALPINISME**

Office: Monbijoustrasse 61 • Postfach  
CH-3000 Berne 23 • SWITZERLAND  
tel.: +41 (0)31 3701828 • fax: +41 (0)31 3701838  
e-mail: office@uiaa.ch

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	<p><b>Mountaineering and Climbing Equipment</b></p> <p><b>'ICE TOOLS'</b></p>	<p><b>UIAA 152</b></p>
<p style="text-align: center;"><b>Foreword</b></p> <p>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.</p> <p>UIAA Standards are the only 'globally recognized' standards for mountaineering equipments. In order to prevent multiplicity, the UIAA collaborates with its partner in standardization CEN; and bases UIAA standard 152 on the European Standard EN 13089:1998. 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 152 also has additional requirements over and above those in EN 13089:1998.</p> <p>Owing to copyright restrictions, this UIAA Standard does not state the full requirements of EN 13089:1998 to which it refers. Hence it is necessary to obtain a copy of EN 13089:1998. 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.</p> <p>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").</p> <p>A complete list of UIAA Standards for mountaineering and climbing equipment can be found on the UIAA website.</p> <p>The UIAA Safety Commission, which is responsible for the UIAA Standards, expects that the corresponding EN Standard will be updated to include the additional requirements of the UIAA Standard.</p>		
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<small>This concerns especially copying, microfilming and feeding and processing in electronic data systems.</small>		

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**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 Ice Tools**

- 2.1. The UIAA Label can only be granted for ice tools which meet all the requirements of EN 13089:1998, 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. Ice tools shall have, either,
      - (a) an attachment device, intended for attachment to the users hand or body, or
      - (b) a hole in the head or shaft of the ice tool, for attaching a sling.
        - 2.2.1.1. For an ice tool type 1, the attachment device in accordance with 2.2.1. (a) shall have a minimum breaking strength of 2.0 kN.
        - 2.2.1.2. For an ice tool type 2, the strength of any attachment device is not defined.
        - 2.2.1.3. The hole in accordance with 2.2.1. (b) shall have a minimum diameter of 7.0 mm and shall be free from sharp edges which might damage a textile sling. If the hole is in the shaft, it shall be situated in that half of the ice tool which includes the head.
    - 2.2.2. Test Method
      - 2.2.2.1. For an ice tool type 1 with an attachment device, mount the ice tool at its head and load the attachment device by a bar of  $(10 \pm 0.1)$  mm diameter as shown in the figure.

For an ice tool with a hole for attaching a sling, pass a pin of  $(7 \pm 0.01)$  mm diameter through the hole.



**Strength test of the attachment device**

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**3. Demonstrating that the Requirements are met**

- 3.1. The requirements of section 2.1. shall be satisfied by either
  - (a) a test report from a UIAA-approved test laboratory, or
  - (b) a Type Test Certificate from an EU Notified Body, together with any additional documentation or test report which may be necessary.
- 3.2. The requirements of section 2.2. shall be satisfied by the manufacturer certifying on the Safety Label application form that the product meets this particular requirement.

**4. Information to be supplied**

- 4.1. The information to be supplied (in accordance with EN 13089:1998) shall be given in the language of the country in which the product is sold.

**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.



**UIAA**

- 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.

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**Copies of the EN Standards can be purchased from the following:**

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**Great Britain** British Standards Institution (BSI), Tel: +44 20 8996 9001  
Order by Fax: +44 20 8996 7001 (with credit card details)  
by post: BSI Customer Services c/o Cash Office,  
PO Box 16206, London W4 4ZL (cash with order)

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**France:** Association Francaise de Normalisation (AFNOR),  
Serv. "Qualite de la Vie" (SQV), Tour Europe,  
F-92049 Paris La Défense CEDEX  
TEL: + 33 142 91 55 33 FAX: + 33 142 91 56 56

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**Germany:** Beuth-Verlag GmbH, Burggrafenstrasse 4-10,  
D-10787 Berlin  
TEL: +49 30 2601 2260 FAX: +49 30 2601 1260

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**Italy:** Ente Nazionale Italiano di Unificazione (UNI),  
Via Battistotti Sassi 11/b, I-20133 Milano  
TEL: +39 270 0241 FAX: +39 270 152 152

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**Spain:** Asociación Espanola de Normalización y Certificación  
(AENOR), Genova 6, E-28004 Madrid  
TEL: + 34 14 32 60 00 FAX: + 34 13 10 45 96

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