



**NSAI**  
Standards

Irish Standard  
I.S. EN 12277:2015+A1:2018&LC:2019

# Mountaineering equipment - Harnesses - Safety requirements and test methods

**I.S. EN 12277:2015+A1:2018&LC:2019**

*Incorporating amendments/corrigenda/National Annexes issued since publication:*

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## National Foreword

I.S. EN 12277:2015+A1:2018&LC:2019 is the adopted Irish version of the European Document EN 12277:2015+A1:2018, Mountaineering equipment - Harnesses - Safety requirements and test methods

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## Correction Notice

**Reference:** EN 12277:2015+A1:2018

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**With reference to the above, please include the following minor editorial correction(s) in the document related to:**

the following language version(s) :

- ☒ English
- ☒ French
- ☒ German

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- ☐ PQ/UQ
- ☐ Enquiry
- ☐ 2nd Enquiry
- ☐ Parallel Enquiry
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- ☐ Parallel Formal Vote
- ☐ 2<sup>nd</sup> Parallel Formal Vote
- ☐ UAP
- ☐ TC Approval
- ☐ 2<sup>nd</sup> TC Approval
- ☒ Publication
- ☐ Parallel Publication

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It has been brought to our attention that this document, issued on 2018-12-12, requires modification.

The reference on the title pages of each language version has been corrected.

Please find enclosed the updated English, French and German versions.

We apologise for any inconvenience this may cause.

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**EUROPEAN STANDARD**  
**NORME EUROPÉENNE**  
**EUROPÄISCHE NORM**

**EN 12277:2015+A1**

December 2018

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Supersedes EN 12277:2015

English Version

**Mountaineering equipment - Harnesses - Safety  
requirements and test methods**

Équipement d'alpinisme et d'escalade - Harnais -  
Exigences de sécurité et méthodes d'essai

Bergsteigerausrüstung - Anseilgurte -  
Sicherheitstechnische Anforderungen und  
Prüfverfahren

This European Standard was approved by CEN on 26 September 2015 and includes Amendment 1 approved by CEN on 18 June 2018.

This European Standard was corrected and reissued by the CEN-CENELEC Management Centre on 18 September 2019.

CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration. Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the CEN-CENELEC Management Centre or to any CEN member.


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## European foreword

This document (EN 12277:2015+A1:2018) has been prepared by Technical Committee CEN/TC 136 “Sports, playground and other recreational facilities and equipment”, the secretariat of which is held by DIN.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by June 2019, and conflicting national standards shall be withdrawn at the latest by June 2019.

This document includes Amendment 1 approved by CEN on 18 June 2018.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN shall not be held responsible for identifying any or all such patent rights.

This document supersedes EN 12277:2015.

The start and finish of text introduced or altered by amendment is indicated in the text by tags **A1** **A1**

In comparison with the previous edition, the following major changes were made:

- a) Amendment of the belt test;
- b) New definitions added and amendment of some definitions;
- c) Amendment of safety requirements;
- d) Amendment of test methods;
- e) Amendment of marking and requirements for information supplied by the supplier.

This document has been prepared under a mandate given to CEN by the European Commission and the European Free Trade Association, and supports essential requirements of EU Directive(s).

For relationship with EU Regulation, see informative Annex ZA, which is an integral part of this document.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

## **EN 12277:2015+A1:2018 (E)**

### **Introduction**

The text of this European Standard is based on the former UIAA-Standard E “harnesses” (Union Internationale des Associations d'Alpinisme), which has been prepared with international participation.

This European Standard is one of a series of standards for mountaineering equipment, see Annex A.

## **1 Scope**

This European Standard specifies safety requirements and test methods for harnesses for use in mountaineering including climbing. It is applicable to full body harnesses, small body harnesses, sit harnesses and chest harnesses.

## **2 Normative references**

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

EN 892, *Mountaineering equipment — Dynamic mountaineering ropes — Safety requirements and test methods*

## **3 Terms and definitions**

For the purposes of this document, the following terms and definitions apply.

### **3.1**

#### **harness**

assembly of narrow textile fabric(s) (hereafter referred to as tape), adjusting device(s) and/or other elements which fit around the body to support it in a hanging position after a fall

#### **3.1.1**

##### **full body harness (type A)**

harness which fits at least around the upper part of the body and the thighs

Note 1 to entry: This type of harness will support an unconscious person in a head up position.

#### **3.1.2**

##### **small body harness (type B)**

full body harness according to type A intended for people up to 40 kg

Note 1 to entry: This type of harness is particularly suitable for people with an undeveloped or ill defined waistline.

#### **3.1.3**

##### **sit harness (type C)**

harness in the form of a waist belt and connecting sub-pelvic support suitably arranged to support a conscious body in a sitting position

#### **3.1.4**

##### **chest harness (type D)**

harness which fits around the upper part of the body around the chest and under the armpits

Note 1 to entry: A type D harness should only be used in combination with a type C harness.

### **3.2**

#### **load transmitting part**

part of the harness which transmit load in the tests in accordance with 5.2.3, 5.2.4, 5.2.5 or 5.2.6 as appropriate

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