



**NSAI**  
Standards

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

# Mountaineering equipment - Harnesses - Safety requirements and test methods

**I.S. EN 12277:2015+A1:2018**

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

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## National Foreword

I.S. EN 12277:2015+A1:2018 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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**Mountaineering equipment - Harnesses - Safety  
requirements and test methods**

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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.

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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of an identical text or by endorsement, at the latest by June 2019, and conflicting national standards shall be withdrawn at the latest by June 2019.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.

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**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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