



NSAI
Standards

Irish Standard
I.S. EN 813:2008

Personal fall protection equipment - Sit harnesses

I.S. EN 813:2008

Incorporating amendments/corrigenda issued since publication:

<i>This document replaces:</i> I.S. EN 813:1997	<i>This document is based on:</i> EN 813:2008 EN 813:1997	<i>Published:</i> 27 August, 2008 23 December, 1997	
This document was published under the authority of the NSAI and comes into effect on: 6 October, 2008		ICS number: 13.340.60	
NSAI 1 Swift Square, Northwood, Santry Dublin 9	T +353 1 807 3800 F +353 1 807 3838 E standards@nsai.ie W NSAI.ie	Sales: T +353 1 857 6730 F +353 1 857 6729 W standards.ie	Price Code: G
Údarás um Chaighdeáin Náisiúnta na hÉireann			

English Version

Personal fall protection equipment - Sit harnesses

Équipement de protection individuelle pour la prévention
contre les chutes de hauteur - Ceintures à cuissardes

Persönliche Absturzschutzausrüstung - Sitzgurte

This European Standard was approved by CEN on 4 July 2008.

CEN members are bound to comply with the CEN/GENELEC 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 Management Centre or to any CEN member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the CEN Management Centre has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Bulgaria, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and United Kingdom.



EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

Management Centre: rue de Stassart, 36 B-1050 Brussels

Contents

Page

Foreword.....3

1 Scope4

2 Normative references4

3 Terms and definitions4

4 Requirements5

5 Test methods.....8

6 Marking14

7 Information supplied by the manufacturer14

8 Packaging14

Annex A (informative) Safety precautions for the ergonomic test procedure of a sit harness.....15

Annex B (informative) Significant technical changes between this document and the previous edition of this European Standard16

Annex ZA (informative) Relationship between this European Standard and the Essential Requirements of EU Directive 89/686/EEC.....17

Figures

Figure 1 — Examples of sit harnesses and elements..... 6

Figure 2 — Example of a sit harness design with typical load bearing parts exerting pressure to the body indicated (by arrows)..... 7

Figure 3 — Bowline knot..... 10

Figure 4 — Lanyard for dynamic strength test..... 11

Figure 5 — Dynamic strength test 12

Figure 6 — Static strength test..... 13

Foreword

This document (EN 813:2008) has been prepared by Technical Committee CEN/TC 160 "Protection against falls from a height including working belts", 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 February 2009, and conflicting national standards shall be withdrawn at the latest by February 2009.

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

This document supersedes EN 813:1997.

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 89/686/EEC.

Annex B provides details of significant technical changes between this European Standard and the previous edition EN 813:1997.

For relationship with EU Directive(s), 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, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and the United Kingdom.

I.S. EN 813:2008

EN 813:2008 (E)

1 Scope

This European Standard specifies requirements, testing, marking and information to be supplied by the manufacturer for sit harnesses to be used in restraint, work positioning and rope access systems, where a low point of attachment is required. Sit harnesses are not suitable to be used for fall arrest purposes.

2 Normative references

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

EN 358, *Personal protective equipment for work positioning and prevention of falls from a height — Belts for work positioning and restraint and work positioning lanyards*

EN 363:2008, *Personal fall protection equipment — Personal fall protection systems*

EN 364:1992, *Personal protective equipment against falls from a height — Test methods*

EN 365, *Personal protective equipment against falls from a height — General requirements for instructions for use, maintenance, periodic examination, repair, marking and packaging*

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

EN ISO 9227, *Corrosion tests in artificial atmospheres — Salt spray tests (ISO 9227:2006)*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in EN 363:2008, and the following apply.

3.1 element

part of a component

NOTE Webbing, attachment elements and fittings are examples of elements.

3.2 component

part of a system at a point of sale by the manufacturer, supplied with packaging, marking and instructions for use

NOTE A sit harness is an example of a component of a system.

3.3 fastening and adjustment element

device which enables the sit harness to be fastened and allows adjustment to be made to meet the fitting requirements of the wearer

NOTE A buckle is an example of a fastening and adjustment element.

3.4 attachment element

part or parts of the sit harness intended for the load bearing connection to other components

This is a free preview. Purchase the entire publication at the link below:

[Product Page](#)

-
- [Looking for additional Standards? Visit Intertek Inform Infostore](#)
 - [Learn about LexConnect, All Jurisdictions, Standards referenced in Australian legislation](#)
-