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Edition 1

Any reference to SABS EN 813 is deemed
to be a reference to this standard
(Government Notice No. 1373 of 8 November 2002)

SOUTH AFRICAN NATIONAL STANDARD

Personal protective equipment for the prevention of falls from a height — Sit harnesses

This national standard is the identical implementation of EN 813:1997 and is adopted with the permission of CEN, rue de Stassart 36, B-1050 Brussels.

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Table of changes

Change No.	Date	Scope
Nat. amdt 1	2007	Amended to change the designation from SABS to SANS, with no technical changes.

National foreword

This South African standard was approved by National Committee StanSA SC 5120.11A, *Personal protective equipment — Industrial safety belts, fall arrest systems and industrial rope access*, in accordance with procedures of Standards South Africa, in compliance with annex 3 of the WTO/TBT agreement.

This standard was published in March 2007. This SANS edition is technically identical to the first SABS edition (SABS EN 813:1997).

EUROPEAN STANDARD

EN 813

NORME EUROPÉENNE

EUROPÄISCHE NORM

February 1997

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Descriptors: Personal protective equipment, protection against fall, accident prevention, height, safety devices, safety harnesses, specifications, design, manufacturing, tests, marking, labelling, packing

English version

Personal protective equipment for prevention of falls from a height — Sit harnesses

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

Persönliche Schutzausrüstung zur Verhinderung
von Abstürzen — Sitzgurte

This European Standard was approved by CEN on 1997-01-11. 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 Central Secretariat 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 Central Secretariat has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.

CEN

European Committee for Standardization
Comité Européen de Normalisation
Europäisches Komitee für Normung

Central Secretariat: rue de Stassart 36, B-1050 Brussels

Foreword

This European Standard 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 August 1997, and conflicting national standards shall be withdrawn at the latest by August 1997.

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

For relationship with EU Directive(s), see informative Annex ZA, which is an integral part of this standard.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and the United Kingdom.

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1 Scope

This standard specifies requirements, testing, marking and instructions for use of sit harnesses for use in work positioning and restraint systems, where a low point of attachment is required. Sit harnesses are not suitable to be used for fall arrest purposes.

2 Normative references

This European standard incorporates, by dated or undated reference, provisions from other publications. These normative references are cited at the appropriate places in the text and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this European Standard only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies.

EN 358	<i>Personal equipment for work positioning and prevention of falls from a height — Work positioning systems</i>
EN 364 : 1992	<i>Personal protective equipment against falls from a height — Test methods</i>
EN 365	<i>Personal protective equipment against falls from a height — General requirements for instructions for use and for marking</i>
EN 892	<i>Mountaineering equipment — Dynamic mountaineering ropes — Safety requirements and test methods</i>

3 Definitions

For the purposes of this standard, the following definitions apply:

3.1 element

A part of a component or a sub-system. Ropes, webbing, attachment elements, fittings and anchorage lines are examples of elements. [EN 363 : 1992]

3.2 component

A part of a system at a point of sale by the manufacturer, supplied with packaging, marking and instructions for use. Body supports and lanyards are examples of components of systems. [EN 363 : 1992]

3.3 sit harness fastening and adjustment element

Any device which enables the sit harness to be fastened and allows adjustment to be made to the sit harness to meet the fitting requirements of the wearer. Examples are buckles.

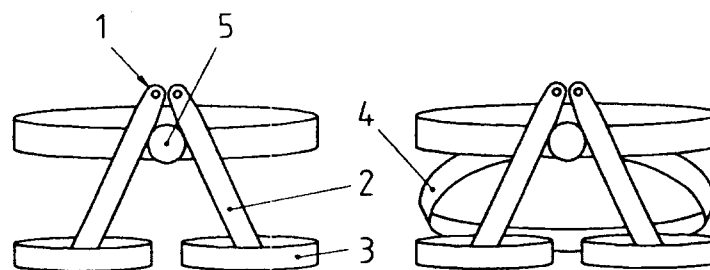
3.4 sit harness attachment element

Those parts of the sit harness intended for the load bearing connection to other components.

3.5 sit harness

An arrangement of straps, fittings and buckles or other elements in the form of a waist belt with a low attachment element and connecting support encircling each leg suitably arranged to support the body of a conscious person in a sitting position. Sit harnesses may be fitted with shoulder straps and/or may be incorporated into a garment. Examples of the arrangements are shown in figure 1.

NOTE. A sit harness may be an element of a full body harness complying with EN 361.



- 1 Attachment element
- 2 Straps connecting leg loops to waist belt
- 3 Leg loop
- 4 Sit strap
- 5 Fastening and adjustment element

Figure 1. Examples of sit harnesses and elements