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**SANS 50795:1996**

Edition 1 and EN amdt 1, nat. amdt 1

**EN 795:1996**

Edition 1 and amdt 1

## **SOUTH AFRICAN NATIONAL STANDARD**

# **Protection against falls from a height — Anchor devices — Requirements and testing**

This national standard is the identical implementation of EN 795:1996 and EN amendment 1, and is adopted with the permission of CEN, rue de Stassart 36, B-1050 Brussels.

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Edition 1 and amdt 1

**Table of changes**

<b>Change No.</b>	<b>Date</b>	<b>Scope</b>
EN amdt 1	2000	Amended to replace the requirement for the type of test for deadweight anchor devices, to alter the dynamic test for deadweight anchors, to separate the instructions for use and marking and revise the details, to modify annex A, to delete annex B, and to add a table to annex ZA.
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 SANS edition (SANS 50795:1996) and national amendment 1. EN amendment 1 has been added.

EUROPEAN STANDARD  
NORME EUROPÉENNE  
EUROPÄISCHE NORM

**EN 795:1996/A1**

October 2000

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English version

## Protection against falls from a height - Anchor devices - Requirements and testing

Protection contre les chutes de hauteur - Dispositifs  
d'ancrage - Exigences et essais

Schutz gegen Absturz - Anschlagrichtungen -  
Anforderungen und Prüfverfahren

This amendment A1 modifies the European Standard EN 795:1996; it was approved by CEN on 15 September 2000.

CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for inclusion of this amendment into the relevant 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 amendment 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, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.



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

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

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## Foreword

This Amendment EN 795:1996/A1:2000 to EN 795:1996 has been prepared by Technical Committee CEN/TC 160 "Protection against falls from height including working belts", the secretariat of which is held by DIN.

This Amendment to the European Standard EN 795:1996 shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by April 2001, and conflicting national standards shall be withdrawn at the latest by April 2001.

This Amendment to the European Standard EN 795:1996 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 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, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and the United Kingdom.

#### 4.3.5 Class E - Type test for deadweight anchor devices

*Delete the text and replace with the following:*

When tested in accordance with 5.3.6, class E anchor devices shall not release the drop mass. The test shall be repeated for each critical direction in which an arrest force could be applied. New anchor devices may be used for each test if the manufacturer so desires.

The displacement  $L$  of the centre of mass of the deadweight anchor device shall not exceed 1000 mm. Displacement  $H$  shall be measured 3 min after the drop test and shall not exceed 1000 mm (see figure 12). The test shall be carried out under each condition, and on each type of roof surface, for which the manufacturer claims suitability.

#### 5.3.6 Class E - Deadweight anchors

*Change to read as follows (new, old):*

A wire rope of 8 mm diameter is required for the dynamic test.

Install the anchor device according to its installation instructions on *typical samples to demonstrate every combination of types of construction material and conditions* for which the manufacturer claims suitability. *The simulated roof surface used for testing shall be wet.*

*Before assembling the deadweight anchor device on the test surface, and no more than 1 h before the drop mass is released, water in the temperature range 10 °C to 25 °C should be applied at the rate of 0,5 l/m<sup>2</sup> of the test surface.*

Attach the wire rope to the 100 kg mass and route the wire rope over the pulleys as shown in figure 12. The pulleys shall have a minimum diameter of 100 mm. Secure the wire rope to the deadweight anchor device.

Raise the mass (2500 ± 50) mm and, at a maximum of 300 mm horizontally from the radius of the pulley P, hold the mass by the quick release device.

*After assembly and positioning, and immediately before releasing the test mass, further water in the temperature range 10°C to 25°C shall be applied at the rate of 0,5 l/m<sup>2</sup> of test surface.*

Release the mass *within 2 min of the second application of water* and measure displacements  $L$  and  $H$ .

## 6 Instructions for use and marking

*Split this clause into "6 Marking" and "7 Information supplied by the manufacturer" and change to read as follows (new, old):*

### 6 Marking

*Marking shall comply with EN 365 and any text shall be in the language(s) of the country of destination. In addition to complying with EN 365 the marking shall include the following:*

For Class C and Class E *anchor devices*, the manufacturer or installer shall clearly mark on or near the anchor device the following parameters:

- a) *the maximum number of attached workers*
- b) *the need for energy absorbers*
- c) *the ground clearance requirements.*