SLOVENSKI STANDARD
SIST EN 795:1996/A1:2001

01-april-2001

Varovanje pred padci z viġine - Sidriġļ a - Zahteve in preskuġanje

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

Schutz gegen Absturz - Anschlageinrichtungen - Anforderungen und Prüfverfahren

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

Ta slovenski standard je istoveten z: **EN 795:1996/A1:2000**

ICS:

13.340.60	Zaġļ ita pred padci in zdrsi	Protection against falling and slipping

SIST EN 795:1996/A1:2001 **en**

EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

EN 795:1996/A1

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ICS 13.340.99

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 - Anschlageinrichtungen - 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

Ref. No. EN 795:1996/A1:2000 E

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^2 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^2 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.

7 Information supplied by the manufacturer

The instructions for use shall be provided in the language(s) of the country of destination, and shall comply with EN 365. A statement shall be included by the manufacturer that the anchor devices have been tested to this standard (EN 795) and that, unless otherwise stated, they are appropriate for single person use with an energy absorber to EN 355. In addition:

a) For Class C anchor devices *(anchor devices employing horizontal flexible anchor lines)* the instructions for use shall include the maximum force that can be permitted at the extremity and intermediate structural anchors.

b) For Class E *anchor devices* (deadweight anchor devices), it is imperative that the instructions for use contain the following guidance:

- *that deadweight anchor devices shall not be used where there is a risk of frost, or in freezing conditions;*

- *on the use of deadweight anchor devices where there is contamination of the roof surface and/or anchor device by oil, grease etc. or by the growth of algae;*

- *on the types of roof surface on which the device may be used (i.e. those surfaces on which it has been successfully tested);*

- *that deadweight anchor devices should be positioned to avoid areas where water accumulates;*

- *that where the deadweight anchor device is to be used on a roof that is covered with stone chippings, all loose stones shall be removed (e.g. sweeping with a hard brush) before assembly of the anchor device;*

c) For Class E anchor devices (deadweight anchor devices), it is imperative that the instructions for use state:

- *the potential dangers that arise when deadweight anchor devices are combined with retractable type fall arresters (EN 360), which have not been tested together as a complete fall arrest system;*

- *the potential dangers that arise when deadweight anchor devices are combined with energy absorbing lanyards (EN 355), which have not been tested together as a complete fall arrest system;*

- *that where users intend to combine any fall arrest personal protective equipment (PPE) with deadweight anchor devices they should seek guidance from the manufacturer of the fall arrest PPE first.*

Annex A
(informative)
Installation recommendations

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

A.1 General

Where an anchor device is intended to be used exclusively for personal protective equipment it should be clearly marked by pictogram, or other clearly seen and understood marking, on or near the anchor device, clearly stating that the device is designed exclusively for use of personal protective equipment.

Anchor devices are only to be used with CE marked fall arrest systems, which will not generate forces in excess of 6 kN at the anchor device.

A.2 Class A1 - Anchor devices designed to be secured to vertical, horizontal and inclined surfaces

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

For fixings in steelwork or timber, the design and installation should be verified by calculation by a qualified engineer to be capable of sustaining the type test force.

For fixings in other structural materials, the installer should verify the suitability *by submitting each individual structural anchor (see definition in 3.5), after installation in that material, to an axial pull-out force of 5 kN to confirm the soundness of the fixing.* The structural anchor should sustain the force for a minimum of 15 s.

Annex B
(informative)
Relation to the PPE directive

Delete annex B.