

SLOVENSKI STANDARD kSIST-TS FprCEN/TS 16415:2012

01-junij-2012

Osebna varovalna oprema za zaščito pred padci z višine - Sidrišča - Priporočila za sidrišča pri uporabi za več kot eno osebo hkrati

Personal fall protection equipment - Anchor devices - Recommendations for anchor devices for use by more than one person simultaneously

Persönliche Absturzschutzausrüstung - Anschlageinrichtungen - Empfehlungen für die Benutzung von Anschlageinrichtungen gleichzeitig durch mehrere Personen

Equipements de protection individuelle contre les chutes de hauteur - Dispositifs d'ancrage - Recommandations pour les dispositifs d'ancrage utilisés simultanément par plus d'une personne

Ta slovenski standard je istoveten z: FprCEN/TS 16415

ICS:

13.340.60 Zaščita pred padci in zdrsi Protection against falling and

slipping

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ICS

English Version

Personal fall protection equipment - Anchor devices -Recommendations for anchor devices for use by more than one person simultaneously

Equipements de protection individuelle contre les chutes de hauteur - Dispositifs d'ancrage - Recommandations pour les dispositifs d'ancrage utilisés simultanément par plus d'une personne

Persönliche Absturzschutzausrüstung -Anschlageinrichtungen - Empfehlungen für die Benutzung von Anschlageinrichtungen gleichzeitig durch mehrere Personen

This draft Technical Specification is submitted to CEN members for formal vote. It has been drawn up by the Technical Committee CEN/TC 160.

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Recipients of this draft are invited to submit, with their comments, notification of any relevant patent rights of which they are aware and to provide supporting documentation.

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

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Foreword

This document (FprCEN/TS 16415:2012) 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 document is currently submitted to the Formal Vote.

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Introduction

A reliable anchor device is one of the essential components in a personal fall protection system.

This Technical Specification, which gives minimum performance requirements, is intended to act as a complementary specification for existing European Standards covering components used in personal fall protection systems.

The scope and the requirements are based on the philosophy that anchor devices are rated to sustain the maximum dynamic force generated in a fall from a height by the mass of more than one person, including any equipment carried. The static strength tests are based on a minimum factor of safety of two. To allow for foreseeable misuse of equipment, this Technical Specification provides requirements and test methods for anchor devices, used in personal fall protection equipment in accordance with EN 363, even if their intended use is for restraint.

It is essential that anchor devices are designed and manufactured so that, in the foreseeable conditions of use for which they are intended, the user is able to perform the risk-related activity while being appropriately protected. Manufacturers may wish to bear these points in mind when deciding on the actual performance of their products.

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1 Scope

This Technical Specification sets out recommendations for requirements, test apparatus, test methods, marking and information supplied by the manufacturer for anchor devices intended for use by more than one user simultaneously.

This Technical Specification is not applicable to:

- anchor devices intended to allow only one user to be attached at any one time, which are covered by EN 795:2012;
- anchor devices used in any sports or recreational activity;
- equipment designed to conform to EN 516 or EN 517;
- elements or parts of structures which were installed for use other than as anchor points or anchor devices, e.g. beams, girders;
- structural anchors.

NOTE Requirements, test methods, marking and information supplied by the manufacturer for anchor devices intended for use by a single user are covered by European Standard EN 795:2012.

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

EN 795:2012, Personal fall protection equipment — Anchor devices

3 ps Terms and definitions/standards/sist/bcf0de34-2336-48eb-9dfe-22965726d0e9/sist-ts-cen-ts-16415-2013

For the purposes of this document, the following terms and definitions apply.

3.1

anchor system

system intended for use as part of a personal fall protection system that incorporates an anchor point or points and/or an anchor device and/or an element and/or a fixing element and/or a structural anchor (see Figure 1)

Note 1 to entry: Anchor systems that are not intended to be removed from the structure are not covered by this European Technical Specification. See Figure 2.

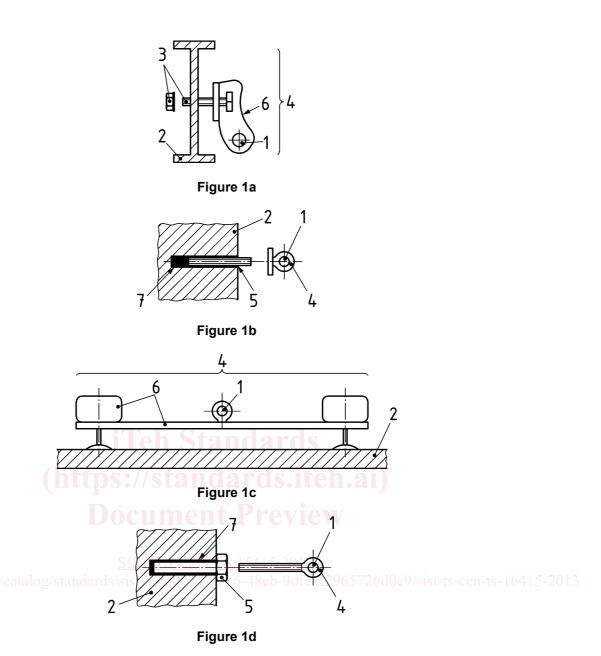


Figure 1 — Examples of anchor systems that include an anchor device (1 of 2)

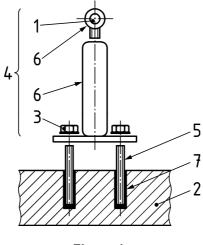


Figure 1e

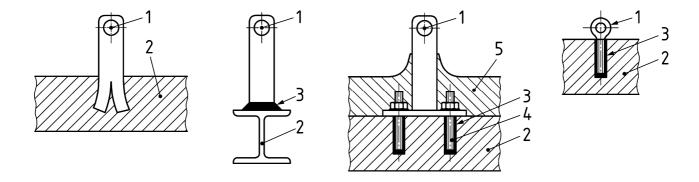
Key

- 1 anchor point 4 anchor device
- 2 structure (not part of the anchor device
- 5 structural anchor (not part of the anchor device)
- 3 fixing element 6 element
 - 7 permanent fixation (e.g. resin bonding)

Figure 1 — Examples of anchor systems that include an anchor device (2 of 2)

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Key

- 1 anchor point
- 2 structure
- 3 permanent fixation (e.g. studded, srewed, riveted, welded or resin bonded)
- 4 structural anchor
- 5 concrete, insulation or other covering

Figure 2 — Examples of anchor systems that are not covered by this European Technical Specification

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3.2

anchor device

assembly of elements which incorporates one or more anchor points or mobile anchor points that can include a fixing element, is intended for use as part of a personal fall protection system, is removable from the structure and is intended to be part of the anchor system

3.2.1

type A anchor device

anchor device with one or more stationary anchor points, while in use, and with the need for a structural anchor(s) or fixing element(s) to fix to the structure (see Figures 3 and 4)

Note 1 to entry: Anchor points may rotate or swivel when in use, where they are designed to do so.

3.2.2

type B anchor device

anchor device with one or more stationary anchor points without the need for a structural anchor(s) or fixing element(s) to fix it to the structure (see Figure 5)

3.2.3

type C anchor device

anchor device employing a flexible anchor line which deviates from the horizontal by not more than 15° (when measured between the extremity and intermediate anchors at any point along its length) (see Figure 6)

3.2.4

type D anchor device

anchor device employing a rigid anchor line which deviates from the horizontal by not more than 15° (when measured between the extremity and intermediate anchors at any point along its length) (see Figure 7)