# KUKKUMISVASTASED ISIKUKAITSEVAHENDID. SISSETÕMBAVAD KUKKUMIST PIDURDAVAD VAHENDID

# Personal protective equipment against falls from a height - Retractable type fall arresters

EESTI STANDARDIKESKUS
ESTONIAN CENTRE FOR STANDARDISATION

## EESTI STANDARDI EESSÕNA

## NATIONAL FOREWORD



| | |
|---|---|
| See Eesti standard EVS-EN 360:2002 sisaldab Euroopa standardi EN 360:2002 ingliskeelset teksti. | This Estonian standard EVS-EN 360:2002 consists of the English text of the European standard EN 360:2002. |
| Standard on jõustunud sellekohase teate avaldamisega EVS Teatajas. | This standard has been endorsed with a notification published in the official bulletin of the Estonian Centre for Standardisation. |
| Euroopa standardimisorganisatsioonid on teinud Euroopa standardi rahvuslikele liikmetele kättesaadavaks 22.05.2002. | Date of Availability of the European standard is 22.05.2002. |
| Standard on kättesaadav Eesti Standardikeskusest. | The standard is available from the Estonian Centre for Standardisation. |

Tagasisidet standardi sisu kohta on võimalik edastada, kasutades EVS-i veebilehel asuvat tagasiside vormi või saates e-kirja meiliaadressile standardiosakond@evs.ee.

ICS 13.340.99

EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

# EN 360

May 2002

ICS 13.340.99

Supersedes EN 360:1992

English version

# Personal protective equipment against falls from a height - Retractable type fall arresters

Equipement de protection individuelle contre les chutes de hauteur - Antichutes à rappel automatique

Persönliche Schutzausrüstung gegen Absturz - Höhensicherungsgeräte

This European Standard was approved by CEN on 15 March 2002.

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 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 Management Centre 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, Malta, Netherlands, Norway, Portugal, 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**



Ref. No. EN 360:2002 E

# Contents

## Foreword

This document EN 360:2002 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 November 2002, and conflicting national standards shall be withdrawn at the latest by November 2002.

This document supersedes EN 360:1992. This new edition contains the old text of the standard and incorporates some urgent amendments that are intended to give additional information and clarify inconsistencies. A comprehensive revision of the standard will follow at a later stage.

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(s).

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, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Malta, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and the United Kingdom.

## 1 Scope

This European Standard specifies the requirements, test methods, marking, information supplied by the manufacturer and packaging for retractable type fall arresters. Retractable type fall arresters conforming to this European Standard are sub-systems constituting one of the fall arrest systems covered by EN 363, when combined with a full body harness specified in EN 361. Other types of fall arresters are specified in EN 353-1 and EN 353-2. Energy absorbers are specified in EN 355.

## 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 (including amendments).

EN 354:2002, *Personal protective equipment against falls from a height – Lanyards.*

EN 355:2002, *Personal protective equipment against falls from a height – Energy absorbers.*

EN 362, *Personal protective equipment against falls from a height – Connectors.*

EN 363:2002, *Personal protective equipment against falls from a height – Fall arrest 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 and for marking.*

## 3 Terms and definitions

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

**3.1**
**retractable type fall arrester**
fall arrester with a self-locking function and an automatic tensioning and return facility for the lanyard, i.e. the retractable lanyard. An energy dissipating function may be incorporated in the device itself or an energy absorber may be incorporated in the retractable lanyard [EN 363]

**3.2**
**retractable lanyard**
connecting element of a retractable type fall arrester. A retractable lanyard may be of wire rope, webbing or synthetic fibre rope and may be longer than 2 m [EN 363]

**3.3**
**energy absorber**
element or a component of a fall arresting system, which is designed to dissipate the kinetic energy developed during a fall from a height [EN 363]

**3.4**
**braking force**
maximum force $F_{max}$ in kilonewtons measured at the anchor point or the anchor line during the braking period of the dynamic performance test [EN 363]