Tekstiiltropid. Ohutus. Osa 2: Kunstkiududest valmistatud ringtropid üldotstarbeliseks kasutuseks

Textile slings - Safety - Part 2: Roundslings made of man-made fibres for general purpose use

EESTI STANDARDIKESKUS
ESTONIAN CENTRE FOR STANDARDISATION

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

Käesolev Eesti standard EVS-EN 1492-2:2000 sisaldab Euroopa standardi EN 1492-2:2000 + AC:2006 ingliskeelset teksti.	This Estonian standard EVS-EN 1492-2:2000 consists of the English text of the European standard EN 1492-2:2000 + AC:2006.
Standard on kinnitatud Eesti Standardikeskuse 18.12.2000 käskkirjaga ja jõustub sellekohase teate avaldamisel EVS Teatajas.	This standard is ratified with the order of Estonian Centre for Standardisation dated 18.12.2000 and is endorsed with the notification published in the official bulletin of the Estonian national standardisation organisation.
Euroopa standardimisorganisatsioonide poolt rahvuslikele liikmetele Euroopa standardi teksti kättesaadavaks tegemise kuupäev on .	Date of Availability of the European standard text .
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ICS 53.020.30

Võtmesõnad:

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English version

Textile slings – Safety

Part 2: Round slings made of man-made fibres, for general purpose use

Elingues textiles – Sécurité – Partie 2: Elingues rondes en textiles chimiques, d'usage courant

Textile Anschlagmittel – Sicherheit – Teil 2: Rundschlingen aus Chemiefasern für allgemeine Verwendungszwecke

This European Standard was approved by CEN on 2000-06-30.

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.

The European Standards exist 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.

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CEN

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

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Foreword

This European Standard has been prepared by Technical Committee CEN/TC 168 "Chains, ropes, webbing, slings and accessories - Safety", the secretariat of which is held by BSI.

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 January 2001, and conflicting national standards shall be withdrawn at the latest by January 2001.

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 EU Directive(s).

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.

This European Standard is one of a series of standards related to safety for textile slings as listed below:

Part 1: Specification for flat woven webbing slings, made of man-made fibres, for general purpose use

Part 2: Specification for roundslings, made of man-made fibres, for general purpose use

Part 4: Specification for lifting slings for general service made from natural and man-made fibre rope

This is the first edition of this Part of EN 1492

In this Standard:

Annex A is normative, and gives the test methods to be used to verify the safety requirements.

Annex B is normative, and gives the requirements for information on use and maintenance to be provided by the manufacturer with roundslings conforming to this European Standard.

Annex C is informative, and provides some detailed information for use and maintenance which may be appropriate in compiling the information in accordance with annex B.

Annex Z is informative, and gives the relationship with EU Directives.

Introduction

This European Standard has been prepared to be a harmonized standard providing one means of complying with the essential safety requirements of the Machinery Directive and associated EFTA regulations.

This European Standard is a type C standard as specified in EN 292. The lifting accessories concerned and the extent to which hazards are covered is indicated in the scope of this standard.

NOTE For hazards that are not covered by this standard, lifting accessories should be in accordance with EN 292.

1 Scope

This European Standard specifies the requirements related to safety, including methods of rating and testing roundslings up to 40 tonnes working load limit (in straight lift) and two-, three-, and four-leg roundsling assemblies, with or without fittings, made of polyamide, polyester and polypropylene.

The roundslings covered by this Part of EN 1492 are intended for general purpose lifting operations, i.e. when used for lifting objects, materials or goods which require no deviations from the requirements, safety factors or WLL's specified. Lifting operations not covered by this standard include the lifting of persons, potentially dangerous materials such as molten metal and acids, glass sheets, fissile materials, nuclear reactors and where special conditions apply.

Roundslings conforming to this European Standard are suitable for use and storage in the following temperature ranges:

a) polyester and polyamide: -40°C to 100°C,

b) polypropylene: -40°C to 80°C

This European Standard does not apply to the types of roundsling indicated below:

a) roundslings designed for securing or lashing of cargoes to each other on pallets and platforms or in vehicles;

b) slings of tubular webbing without filling.

This European Standard deals with the technical requirements to minimize the hazards listed in clause 4 which can arise during the use of roundslings when carried out in accordance with the instructions and specifications given by the manufacturer or authorized representative.

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 292-2: 1991/A1: 1995	Safety of machinery - Basic concepts, general principles for design – Part 2: Technical principles and specifications
EN 1050: 1996	Safety of machinery - Principles of risk assessment
prEN 1677-1:2000	Components for slings – Safety - Part 1: Forged steel components,Grade 8

prEN 1677-2:2000	Components for slings – Safety - Part 2: Forged steel lifting hooks with latch, Grade 8
prEN 1677-3:1998	Components for slings – Safety - Part 3: Forged steel self-locking hooks, Grade 8
prEN 1677-4:1998	Components for slings – Safety - Part 4: Links, Grade 8
prEN 1677-5:1998	Components for slings – Safety - Part 5: Forged steel lifting hooks with latch, Grade 4
prEN 1677-6:1998	Components for slings – Safety - Part 6: Links, Grade 4
EN 10002-2: 1991	Metallic materials - Tensile testing - Part 2: Verification of the force measuring system of the tensile testing machines
EN 45012	General requirements for bodies operating assessment and certification/registration of quality systems (ISO/IEC Guide 62:1996)
EN ISO 9002: 1994	Quality systems - Model for quality assurance in production, installation and servicing (ISO 9002:1994)

3 Terms and definitions

For the purposes of this standard, the following terms and definitions, symbols and abbreviations apply.

3.1

roundsling:

endless flexible sling consisting of a loadbearing core of yarn, completely enclosed in a woven cover, with or without fittings.

3.2

multi-leg sling assembly:

roundsling assembly, consisting of two, three or four identical roundslings attached to a master link (See table 2)

3.3

representative sling:

roundsling representative of roundslings of the same type, which is used for verification purposes (See 6.2 and 6.3)

NOTE This may differ from the production roundsling in length only

3.4

core:

hank of yarn which comprises the loadbearing part of a roundsling.

3.5

cover:

woven tubular webbing, or tube made from woven fabric and joined along its length, and which encloses the core.