

**Tekstiiltropid. Ohutus. Osa 1:
Kunstkiududest valmistatud silekoega
kootud rihmad, üldotstarbeliseks
kasutuseks**

Textile slings - Safety - Part 1: Flat woven webbings
slings made of man-made fibres, for general
purpose use

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

<p>Käesolev Eesti standard EVS-EN 1492-1:2000 sisaldab Euroopa standardi EN 1492-1:2000 + AC:2006 ingliskeelset teksti.</p> <p>Käesolev dokument on jõustatud 18.12.2000 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes.</p> <p>Standard on kättesaadav Eesti standardiorganisatsioonist.</p>	<p>This Estonian standard EVS-EN 1492-1:2000 consists of the English text of the European standard EN 1492-1:2000 + AC:2006.</p> <p>This document is endorsed on 18.12.2000 with the notification being published in the official publication of the Estonian national standardisation organisation.</p> <p>The standard is available from Estonian standardisation organisation.</p>
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<p>Käsitlusala:</p> <p>This European Standard specifies the requirements related to safety, including methods of rating and testing single-, two-, three-, four-leg and endless sewn flat woven webbing slings, with or without fittings, made of polyamide, polyester and polypropylene man-made fibre webbing in the width range of 25 mm to 450 mm inclusive.</p>	<p>Scope:</p> <p>This European Standard specifies the requirements related to safety, including methods of rating and testing single-, two-, three-, four-leg and endless sewn flat woven webbing slings, with or without fittings, made of polyamide, polyester and polypropylene man-made fibre webbing in the width range of 25 mm to 450 mm inclusive.</p>
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Võtmesõnad:

English version

Textile slings – Safety

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

Elingues textiles – Sécurité – Partie 1:
Elingues plates en sangles tisseées, en
textiles chimiques, d'usage courant

Textile Anschlagmittel – Sicherheit –
Teil 1: Flachgewebte Hebebänder
aus Chemiefasern für allgemeine
Verwendungszwecke

This European Standard was approved by CEN on 2000-06-25.

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 flat woven webbing slings conforming to this European Standard.

Annex C is informative, and gives guidance for the conduct of type tests in accordance with annex A.

Annex D 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 single-, two-, three-, four-leg and endless sewn flat woven webbing slings, with or without fittings, made of polyamide, polyester and polypropylene man-made fibre webbing in the width range of 25 mm to 450 mm inclusive.

The flat woven webbing slings 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 working load limits specified. Lifting operations not covered by this standard would 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.

Flat woven webbing slings 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 webbing sling indicated below:

a) slings such as bag slings, nets (consisting of several crossed webbings stitched together), 'adjustable' slings (containing, for example, intermediate buckles stitched along the webbing), etc.;

b) slings made from webbing woven from monofilament yarns;

c) slings designed for pre-slinging and intended not to be re-used;

This European Standard deals with the technical requirements to minimize the hazards listed in clause 4 which can arise during the use of flat woven webbing slings 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 5084: 1996	Textiles - Determination of thickness of textiles and textile products (ISO 5084:1996)
EN ISO 9002	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, definitions, symbols and abbreviations apply.

3.1

flat woven webbing sling

flexible sling consisting of a sewn webbing component, with or without fittings (see table 2), for attaching loads to the hook of a crane or other lifting machine.

3.2

multi-layer sling

flat woven webbing sling, the sewn webbing component or components of which consist of two or more layers of identical webbings superimposed in the lengthwise direction (See table 2).

3.3

multi-leg sling assembly

flat woven webbing sling assembly, consisting of two, three or four identical flat woven webbing slings attached to a master link (See table 3).