

**Troppide komponendid. Ohutus. Osa 3:
Sepaterasest iselukustuva konksud.
Klass 8**

Components for slings - Safety - Part 3: Forged steel
self-locking hooks - Grade 8

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

<p>Käesolev Eesti standard EVS-EN 1677-3:2002 sisaldab Euroopa standardi EN 1677-3:2001 ingliskeelset teksti.</p> <p>Käesolev dokument on jõustatud 14.03.2002 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes.</p> <p>Standard on kättesaadav Eesti standardiorganisatsioonist.</p>	<p>This Estonian standard EVS-EN 1677-3:2002 consists of the English text of the European standard EN 1677-3:2001.</p> <p>This document is endorsed on 14.03.2002 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 requirements for forged steel self-locking lifting hooks of Grade 8 having eye or clevis and pin up to 21,2 t working load limit (WLL), mainly for use in:</p> <ul style="list-style-type: none">- chain slings according to EN 818-4- steel wire rope slings according to prEN 13414-1- textile slings according to EN 1492-1, EN 1492-2 <p>intended for lifting objects, materials or goods.</p>	<p>Scope:</p> <p>This European Standard specifies requirements for forged steel self-locking lifting hooks of Grade 8 having eye or clevis and pin up to 21,2 t working load limit (WLL), mainly for use in:</p> <ul style="list-style-type: none">- chain slings according to EN 818-4- steel wire rope slings according to prEN 13414-1- textile slings according to EN 1492-1, EN 1492-2 <p>intended for lifting objects, materials or goods.</p>
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ICS 53.020.30

Võtmesõnad: grades, grades (qualit, hoisting slings, hooks, lifting slings, load capacity, marking, mechanical properties, quality, round steel chains, safety, safety catch, safety requirements, self-closing, specification (approval), specifications, testing, wire rope slings

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English version

Components for slings - Safety - Part 3: Forged steel self-locking hooks - Grade 8

Accessoires pour élingues - Sécurité - Partie 3: Crochets autobloquants en acier forgé - Classe 8

Einzelteile für Anschlagmittel - Sicherheit - Teil 1: Geschmiedete, selbstverriegelnde Haken - Güteklasse 8

This European Standard was approved by CEN on 11 August 2001.

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.

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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 March 2002, and conflicting national standards shall be withdrawn at the latest by March 2002.

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 EC Directive(s).

For the relationship with EC Directives, see informative annex ZA, which is an integral part of this standard.

This European Standard is a part of a products standard related to safety for components for slings.

The other Parts of EN 1677 for components for slings are:

- Part 1: Forged steel components - Grade 8
- Part 2: Forged steel lifting hooks with latch - Grade 8
- Part 4: Links - Grade 8
- Part 5: Forged steel lifting hooks with latch - Grade 4
- Part 6: Links - Grade 4

This is the first edition of this Part of EN 1677.

Annexes A and B of this European Standard are informative.

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.

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.

The hooks covered by this Part of EN 1677 are normally supplied to be part of a sling, but they may also be used for other applications. In such instances it is important that the hook design is checked to ensure its fitness for the intended use.

The extent to which hazards are covered is indicated in the scope. In addition, lifting equipment shall conform as appropriate to EN 292 for hazards that are not covered by this standard.

1 Scope

This European Standard specifies requirements for forged steel self-locking lifting hooks of Grade 8 having eye or clevis and pin up to 21,2 t working load limit (WLL), mainly for use in:

- chain slings according to EN 818-4
- steel wire rope slings according to prEN 13414-1
- textile slings according to EN 1492-1, EN 1492-2 .

intended for lifting objects, materials or goods.

The hazards covered by this part of EN 1677 are identified in clause 4.

Annex A gives the bases for calculation of hook dimensions.

Annex B gives an example of a designation systems for hooks of Grade 8.

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 (Amendment 1:1995)
EN 818-4	Short link chain for lifting purposes - Safety - Part 4: Chain slings - Grade 8
EN 818-6	Short link chain for lifting purposes - Safety - Part 6: Chain slings - Specification for information for use and maintenance to be provided by the manufacturer
EN 1050:1996	Safety of machinery - Principles for risk assessment
EN 1492-1	Textile slings - Safety - Part 1: Flat woven webbing slings, made of man-made fibres, for general purpose use
EN 1492-2	Textile slings - Safety - Part 2: Roundslings, made of man-made fibres, for general purpose use
EN 1677-1:2000	Components for slings - Safety - Part 1: Forged steel components, Grade 8
prEN 13414-1	Steel wire rope slings - Safety - Part 1: Wire rope slings

3 Terms and definitions

For the purposes of this European Standard, the terms and definitions given in EN 1677-1 apply, together with the following.

3.1

self-locking hook:

hook containing a locking mechanism, capable of being activated by the action of the load which, once correctly closed and locked, can only be opened in the unloaded condition by de-activation of the locking mechanism