

Kaitserõivad mootorsae kasutajatele. Osa 9: Nõuded mootorsae kaitsekedridele

Protective clothing for users of hand-held chain saws
- Part 9: Requirements for chain saw protective
gaiters

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

<p>Käesolev Eesti standard EVS-EN 381-9:1999 sisaldab Euroopa standardi EN 381-9:1997 ingliskeelset teksti.</p> <p>Käesolev dokument on jõustatud 23.11.1999 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes.</p> <p>Standard on kättesaadav Eesti standardiorganisatsioonist.</p>	<p>This Estonian standard EVS-EN 381-9:1999 consists of the English text of the European standard EN 381-9:1997.</p> <p>This document is endorsed on 23.11.1999 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>Standard määrab kindlaks nõuded, mida kasutatakse kettsae sisselõigete korral kedride kaitsevõime ja teiste omaduste hindamiseks. Hõlmatud on ka kedride jalgealuste rihmade tugevusnõuded. Käesolev standard on kohaldatav kedridele, mida vastavalt normdokumentidele EN 345:1992 ja EN 345:1992/A1 kasutatakse koos kaitsejalatsitega, millel on metallist ninaosa, sest kedrid üksinda pakuvad ainult osalist kaitset kettsaega sisselõikamise eest. Käesolevale standardile vastavad kedrid pole ette nähtud kasutamiseks olukordades, kus esineb tugev komistamisoht, näiteks puude otsa ronimisel ja ka metsatööl.</p>	<p>Scope:</p>
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ICS 13.340.10

Võtmesõnad: graafilised sümbolid, individuaalne kaitsevarustus, jalad, kaitseriietus, kettsaed, märgistamine, ohutus, tehnilised andmed, torketugevus, õnnetuse vältimine

ICS 13.340.10

Descriptors: Personal protective equipment, protective clothing, gaiters, chain saws, testing.

English version

**Protective clothing for users of
hand-held chain saws**

Part 9: Requirements for chain saw protective gaiters

Vêtements de protection pour utilisateurs
de scies à chaîne tenues à la main –
Partie 9: Exigences pour les guêtres de
protection pour l'utilisation de scies à
chaîne

Schutzkleidung für die Benutzer von
handgeführten Kettensägen – Teil 9:
Anforderungen an Schutzgamaschen für
Kettensägen

This European Standard was approved by CEN on 1997-03-10.

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.

CEN members are the national standards bodies of Austria, Belgium, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, the Netherlands, Norway, Portugal, Spain, Sweden, Switzerland, and the United Kingdom.

CEN

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Comité Européen de Normalisation
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Foreword

This European Standard has been prepared by the Technical Committee CEN/TC 162 "Protective clothing including hand and arm protection and lifejackets" 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 October 1997, and conflicting national standards shall be withdrawn at the latest by October 1997.

EN 381 "Protective clothing for users of hand held chainsaws" includes the following parts:

- Part 1: Test rig for testing resistance to cutting by a chains
- Part 2: Test rig for leg protection
- Part 3: Test methods for footwear
- Part 4: Test method for chainsaw protective gloves
- Part 5: Requirements for leg protection
- Part 7: Requirements for chainsaw protective gloves
- Part 8: Test methods for chainsaw protective gaiters
- Part 9: Requirements for chainsaw protective gaiters

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).

For relationship with EU Directive(s), see informative Annex ZA, which is an integral part of this European Standard.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and the United Kingdom.

0 Introduction

This European Standard forms part of a series concerned with personal protective equipment designed to protect against the risks arising from the use of chain saws.

No personal protective equipment can ensure 100% protection against cutting by a chain saw.

Nevertheless, experience has shown that it is possible to design personal protective equipment which offers a certain degree of protection.

Different functional principles may be applied in order to give protection.

These include:

- a) chain slipping: on contact the chain does not cut the material;
- b) clogging: fibres are drawn by the chain into the drive sprocket and block chain movement;
- c) chain braking: fibres have a high resistance to cutting and absorb rotational energy, thereby reducing down the chain speed.

Often more than one principle is applied.

1 Scope

This European Standard specifies requirements to be used to assess the resistance of gaiters to cutting by hand-held chain saws and other properties. A requirement for the strength of underfoot straps of gaiters is also included.

This European Standard is applicable to gaiters used together with safety footwear according to EN 345:1992 and EN 345:1992/A1 with a metallic toecap, because gaiters offer only partial protection against chain saw cutting.

Gaiters according to this European Standard are not intended for use in situations where there is a significant risk of tripping such as tree climbing or in forests.

The test methods associated with the requirements in this European Standard are given in EN 381-8.

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 amendments or revision. For undated references the latest edition of the publication referred to applies.

EN 345:1992, EN 345:1992/A1

Specification for safety footwear for professional use

EN 381-8:1997

Protective clothing for users of hand-held chain saws - Part 8: Test method for chain saw protective gaiters

3 Definitions

For the purposes of this European Standard the following definitions apply:

3.1 Foot protector

Any product which protects the foot and the lower part of the leg (or any part of this area) against cutting by a hand-held chain saw.

3.2 Gaiter

A removable covering intended to protect the front part of the foot, ankle and lower leg against cutting by a hand-held chain saw [EN 381-8].

3.3 Protective material

Material which is designed to resist the cutting effect of a hand-held chain saw.