

Ilmub üks kord kuus alates 1993. aastast

# **EVS TEATAJA**

Uued Eesti standardid

Standardikavandite arvamusküsitlus

Asendatud või tühistatud Eesti standardid

Algupäraste standardite koostamine ja ülevaatus

Standardite tõlked kommenteerimisel

Uued harmoneeritud standardid

Standardipealkirjade muutmine

Uued eestikeelsed standardid

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## HARMONEERITUD STANDARDID

*Tehnilise normi ja standardi seaduse* kohaselt avaldab Eesti Standardikeskus oma veebilehel ja ametlikus väljaandes teavet harmoneeritud standardeid ülevõtvate Eesti standardite kohta.

Harmoneeritud standardiks nimetatakse EÜ direktiivide kontekstis ja tehnilise normi ja standardi seaduse mõistes Euroopa Komisjoni mandaadi alusel Euroopa standardimisorganisatsioonide poolt koostatud ja vastu võetud standardit.

Harmoneeritud standardite kasutamise korral eeldatakse enamiku vastavate direktiivide mõistes, et standardi kohaselt valmistatud toode täidab direktiivi olulisi nõudeid ning on seetõttu reeglina kõige lihtsam viis tõendada direktiivide oluliste nõuete täitmist. Harmoneeritud standardi täpne tähendus ja õiguslik staatus tuleneb siiski iga direktiivi tekstist eraldi ning võib direktiivist olenevalt erineda.

Lisainfo:

<http://www.newapproach.org/>

<http://ec.europa.eu/enterprise/newapproach/standardization/harmstds>

Eesti Standardikeskus avaldab ametlikus väljaandes harmoneeritud standardeid ülevõtvate Eesti standardite kohta järgmist infot:

- harmoneeritud standardi staatuse saanud Eesti standardid
- harmoneeritud standardi staatuses olevate Eesti standardite kohta avaldatud märkused ja hoiatused, mida tuleb standardite järgimisel arvestada
- harmoneeritud standardi staatuse kaotanud Eesti standardid

Info esitatakse vastavate direktiivide kaupa.

## HARMONEERITUD STANDARDEID ÜLEVÕTVAD EESTI STANDARDID

### Direktiiv 2006/42/EÜ Masinad

(EL Teataja 2009/C 321/09) ja (EL Teataja 2009/C 309/02)

<b>Harmoneeritud standardit ülevõtva Eesti standardi tähis ja pealkiri</b>	<b>Kuupäev, millal Eesti standardi aluseks oleva Euroopa standardi kohta on avaldatud viide EL Teatajas</b>	<b>Viide asendatavale Eesti standardile</b>	<b>Kuupäev, mil asendatava standardi järgimisest tulenev vastavuseeldus kaotab kehtivuse Märkus 1</b>
EVS-EN 1501-1:1998+A2:2010 Prügikogumissõidukid ja nendega ühendatud töstemehhanismid. Põhi- ja ohutusnõuded. Osa 1: Tagantlaadimisega prügikogumissõidukid / <i>Refuse collection vehicles and their associated lifting devices - General requirements and safety requirements - Part 1: Rear-end loaded refuse collection vehicles</i>	29.12.2009		

EVS-EN 1501-2:2005+A1:2010 Prügikogumissõidukid ja nendega ühendatud tõstemehhanismid. Põhi- ja ohutusnõuded. Osa 2: Külglaadimisega prügikogumissõidukid / <i>Refuse collection vehicles and associated lifting devices - General requirements and safety requirements - Part 2: Side loaded refuse collection vehicles</i>	29.12.2009		
EVS-EN ISO 13849-1:2008 Masinate ohutus. Ohutust mõjutavad osad juhtimissüsteemides. Osa 1: Kavandamise üldpõhimõtted / <i>Safety of machinery - Safety-related parts of control systems - Part 1: General principles for design</i>	08.09.2009	EVS-EN ISO 13849-1:2006 EVS-EN 954-1:1999	31.12.2011 (*)
EVS-EN 848-1:2007+A1:2010 Puidutöötlemismasinate ohutus. Ühepoolsed pöörleva lõiketeraga puidutöötluspingid. Osa 1: Ühespindlilised vertikaalsed puidutöötluspingid / <i>Safety of woodworking machines - One side moulding machines with rotating tool - Part 1: Single spindle vertical moulding machines</i>	18.12.2009		
EVS-EN 848-2:2007+A1:2010 Puidutöötlusmasinate ohutus. Ühepoolsed pöörleva lõiketeraga puidutöötluspingid. Osa 2: Ühespindlilised käsitsi- ja kombineeritud etteandega vertikaalfreespingid / <i>Safety of woodworking machines - One side moulding machines with rotating tool - Part 2: Single spindle hand fed/integrated fed routing machines</i>	18.12.2009		
EVS-EN ISO 4254-1:2010 Põllumajandusmasinad. Ohutus. Osa 1: Üldnõuded / <i>Agricultural machinery - Safety - Part 1: General requirements</i>	18.12.2009		
EVS-EN ISO 28139:2010 Põllumajandus- ja metsamasinad. Seljaskantavad sisepõlemismootoriga udupihustid. Ohutusnõuded / <i>Agricultural and forestry machinery - Knapsack combustion-engine-driven mistblowers - Safety requirements</i>	18.12.2009		

(\*) Asendatava standardi vastavuseelduse lõppkuupäev, milleks oli algselt määratud 28.12.2009, on kahe aasta võrra edasi lükatud.

#### Märkus 1

Tavaliselt on kuupäevaks, mil asendatava standardi järgimisest tulenev vastavuseeldus kehtivuse kaotab („dow“), Euroopa standardiorganisatsiooni kehtestatud tühistamiskuupäev, kuid kõnealuste standardite kasutajate tähelepanu juhitakse asjaolule, et teatavatel erandjuhtudel võib olla ka teisiti.

**Direktiiv 96/60/EÜ**  
**Kodumajapidamises kasutatavate pesumasin-kuivatite energiamärgistus**  
 (EL Teataja 2009/C 322/06)

<b>Harmoneeritud standardit ülevõtva Eesti standardi tähis ja pealkiri</b>	<b>Kuupäev, millal Eesti standardi aluseks oleva Euroopa standardi kohta on avaldatud viide EL Teatajas</b>	<b>Viide asendatavale Eesti standardile</b>	<b>Asendatud standardi kasutamise lõppkuupäev Märkus 1</b>
EVS-EN 50229:2007 Kodumajapidamises kasutatavad elektrilised rõivapesu- ja -kuivatusmasinad. Toimivusnäitajate mõõtemetodid / <i>Electric clothes washer-dryers for household use - Methods of measuring the performance</i>	30.12.2009	EVS-EN 50229:2002 Märkus 2.1	01.06.2010

**Märkus 1**

Tavaliselt on kuupäevaks, mil asendatava standardi järgimisest tulenev vastavuseeldus kehtivuse kaotab („dow“), Euroopa standardiorganisatsiooni kehtestatud tühistamiskuupäev, kuid kõnealuste standardite kasutajate tähelepanu juhitakse asjaolule, et teatavatel erandjuhtudel võib olla ka teisiti.

**Märkus 2.1**

Uue (või muudetud) standardi reguleerimisala on samasugune nagu asendataval standardil. Osutatud kuupäeval kaotab kehtivuse asendatava standardi järgimisest tulenev vastavuseeldus direktiivi oluliste nõuetega.

## UUED STANDARDID JA KAVANDID ARVAMUSKÜSITLUSEKS

EVS Teataja avaldab andmed uutest vastuvõetud Eesti standarditest ja avalikuks arvamusküsitluseks esitatud standardite kavanditest rahvusvahelise standardite klassifikaatori (ICS) järgi. Samas jaotises on toodud andmed nii eesti keeles avaldatud, kui ka jõustumisteatega Eesti standarditeks ingliskeelsetena vastuvõetud rahvusvahelistest ja Euroopa standarditest.

Eesmärgiga tagada standardite vastuvõtmine järgides konsensuse põhimõtteid, peab standardite vastuvõtmisele eelnema standardite kavandite avalik arvamusküsitlus, milleks ettenähtud perioodi jooksul (reeglina 2 kuud) on asjast huvitatul võimalik tutvuda standardite kavanditega, esitada kommentaare ning teha ettepanekuid parandusteks.

Arvamusküsitlusele on esitatud:

1. Euroopa ja rahvusvahelised standardid ning standardikavandid, mis on kavas vastu võtta Eesti standarditeks jõustumisteatega. Kavandid on kättesaadavad reeglina inglise keeles EVS klienditeeninduses ning standardiosakonnas. EVS tehnilistel komiteedel on võimalik saada koopiaid oma käsitusala kokkulangevatest standardite kavanditest EVS kontaktisiku kaudu.
2. Eesti algupäraste standardite kavandid, mis Eesti standardimisprogrammi järgi on jõudnud arvamusküsitluse etappi.

Arvamusküsitlusel olevate dokumentide loetelus on esitatud järgnev informatsioon standardikavandi või standardi kohta:

- Tähis (eesliide pr Euroopa ja DIS rahvusvahelise kavandi puhul)
- Viide identsele Euroopa või rahvusvahelisele dokumendile
- Arvamusküsitluse lõppkuupäev (arvamuste esitamise tähtaeg)
- Pealkiri
- Käsitusala
- Keelsus (en=inglise; et=eesti)

Kavandite arvamusküsitlusel on eriti oodatud teave kui rahvusvahelist või Euroopa standardit ei peaks vastu võtma Eesti standardiks (vastuolu Eesti õigusaktidega, pole Eestis rakendatav jt põhjustel). Soovitame arvamusküsitlusele pandud standarditega tutvuda igakuiselt kasutades EVS infoteenust või EVS Teatajat. Kui see ei ole võimalik, siis alati viimase kahe kuu nimekirjadega kodulehel ja EVS Teatajas, kuna sellisel juhul saate info kõigist hetkel kommenteerimisel olevatest kavanditest.

Kavanditega tutvumiseks palume saata vastav teade aadressile [standardiosakond@evs.ee](mailto:standardiosakond@evs.ee), kavandeid saab osta klienditeenindusest [standard@evs.ee](mailto:standard@evs.ee).

Vastavad vormid arvamuse avaldamiseks Euroopa ja rahvusvaheliste standardikavandite ning algupäraste Eesti standardikavandite kohta leiate EVS koduleheküljelt [www.evs.ee](http://www.evs.ee).

# ICS PÕHIRÜHMAD

## ICS Nimetus

- 01 Üldküsimumused. Terminoloogia. Standardimine. Dokumentatsioon
- 03 Teenused. Ettevõtte organiseerimine, juhtimine ja kvaliteet. Haldus. Transport. Sotsioloogia
- 07 Matemaatika. Loodusteadused
- 11 Tervisehooldus
- 13 Keskkonna- ja tervisekaitse. Ohutus
- 17 Metroloogia ja mõõtmine. Füüsilised nähtused
- 19 Katsetamine
- 21 Üldkasutatavad masinad ja nende osad
- 23 Üldkasutatavad hüdro- ja pneumosüsteemid ja nende osad
- 25 Tootmistehnoloogia
- 27 Elektri- ja soojusenergeetika
- 29 Elektrotehnika
- 31 Elektroonika
- 33 Sidetehnika
- 35 Infotehnoloogia. Kontoriseadmed
- 37 Visuaaltehnika
- 39 Täppismehaanika. Juvelitooted
- 43 Maantesõidukite ehitus
- 45 Raudteetehnika
- 47 Laevaehitus ja mereehitised
- 49 Lennundus ja kosmosetehnika
- 53 Tõste- ja teisaldusseadmed
- 55 Pakendamine ja kaupade jaotussüsteemid
- 59 Tekstiili- ja nahatehnoloogia
- 61 Rõivatööstus
- 65 Põllumajandus
- 67 Toiduainete tehnoloogia
- 71 Keemiline tehnoloogia
- 73 Mäendus ja maavarad
- 75 Nafta ja naftatehnoloogia
- 77 Metallurgia
- 79 Puidutehnoloogia
- 81 Klaasi- ja keraamikatööstus
- 83 Kummi- ja plastitööstus
- 85 Paberitehnoloogia
- 87 Värvide ja värvainete tööstus
- 91 Ehitusmaterjalid ja ehitus
- 93 Rajatised
- 95 Sõjatehnika
- 97 Olme. Meelelahutus. Sport
- 99 Muud

# 01 ÜLDKÜSIMUSED. TERMINOLOOGIA. STANDARDIMINE. DOKUMENTATSIOON

## UUED STANDARDID JA PUBLIKATSIOONID

### **EVS 807:2010**

Hind 315,00

ja identne EVS 807:2004

#### **Kinnisvara korrashoid. Kinnisvarakeskkonna korraldamine**

Käesolev standard annab ja avab kinnisvara korrashoiu valdkonna põhimõisted ning arusaama korrashoiu ratsionaalsest korraldusest, sellega kaasnevast dokumenteerimisest ning kulutustest.

Keel et

Asendab EVS 807:2004

### **EVS-EN ISO 676:2010**

Hind 166,00

Identne EN ISO 676:2009

ja identne ISO 676:1995+Cor 1:1997

#### **Spices and condiments - Botanical nomenclature**

This International Standard gives a non-exhaustive list of the botanical names and common names in English and French of plants or parts of plants used as spices or condiments. NOTE 1 As per the ISTA list? the names of the botanists are given in an abbreviated form, but the names are given in full in annex B.

Keel en

### **EVS-EN ISO 1942:2010**

Hind 315,00

Identne EN ISO 1942:2009

ja identne ISO 1942:2009

#### **Dentistry - Vocabulary**

This International Standard provides definitions for a number of concepts specific to dentistry in the interest of facilitating development and comprehension of standards, and to improve communication with the Fédération Dentaire Internationale, the World Health Organization and other interested organizations.

Keel en

Asendab EVS-EN ISO 1942-5:1999; EVS-EN 21942-1:1999

### **EVS-EN ISO 10991:2010**

Hind 105,00

Identne EN ISO 10991:2009

ja identne ISO 10991:2009

#### **Micro process engineering - Vocabulary**

This International Standard gives terms and definitions for micro process engineering applied in chemistry, pharmacy, biotechnology and food technology.

Keel en

### **EVS-EN ISO 12706:2010**

Hind 114,00

Identne EN ISO 12706:2009

ja identne ISO 12706:2009

#### **Non-destructive testing - Penetrant testing - Vocabulary**

This International Standard defines technical terms relating to penetrant testing.

Keel en

Asendab EVS-EN 12706:2000

## ASENDATUD VÕI TÜHISTATUD STANDARDID

### **EVS 733:1997**

ja identne EVS 733:1997

#### **Füüsikaliste suuruste mõõtühikud, nende nimetused ja tähised**

Standard käsitleb füüsikaliste suuruste mõõtühikuid, nende nimetusi, tähiseid, kord- ja osaühikute moodustamise reegleid ning kirjaviisi füüsikaliste suuruste väärtuste esitamisel.

Keel et

### **EVS 807:2004**

ja identne EVS 807:2004

#### **Kinnisvara korrashoiu tagamise tegevused**

Käesolev standard on mõeldud kasutamiseks kinnisvara korrashoiuga seotud tegevuste korraldamisel. Kinnisvahi on maapinna piiritletud osa; kinnisvahi olulised osad on sellega püsivalt ühendatud asjad ja seotud asjaõigused. Kinnisvara on isikule kuuluvate kinnisvahi jagaga seotud õiguste ja kohustuste kogum.

Keel et

Asendab EVS 807:2001

Asendatud EVS 807:2010

### **EVS-EN 375:2001**

Identne EN 375:2001

#### **Nõuded professionaalseks kasutamiseks mõeldud in vitro kasutatavate diagnostiliste reaktiivide sildiga märgistusele**

Standard kehtib professionaalseks kasutamiseks mõeldud in vitro kasutatavate diagnostiliste reaktiivide sildiga märgistamise kohta.

Keel en

Asendatud EVS-EN ISO 18113-2:2010

### **EVS-EN 21942-1:1999**

Identne EN 21942-1:1991

ja identne ISO 1942-1:1989

#### **Hambaravisõnastik. Osa 1: Üld- ja kliinilised mõisted**

Standard määratleb terminid, mis on kasutusel stomatoloogias; eriti need, mis on seotud ambaravimaterjalide, -instrumentide ja -aparatuuriga ning nende testimisega.

Keel en

Asendatud EVS-EN ISO 1942:2010

### **EVS-EN ISO 1942-5:1999**

Identne EN ISO 1942-5:1994

ja identne ISO 1942-5:1989

#### **Hambaravisõnastik. Osa 5: Katsetamisega seotud terminid**

Standardi käesolev osa määratleb terminid, mis on seotud stomatoloogiliste vahendite testimisega. Üld- ja kliinilised terminid ning terminid, mis kehtivad ambaravimaterjalide, -instrumentide ja -aparatuuri kohta, sisalduvad käesoleva standardi neljas ülejäänud osas. Terminid ja määratlused on antud võrdselt nii inglise kui prantsuse keeles.

Keel en

Asendatud EVS-EN ISO 1942:2010



### **EVS-EN ISO 12706:2003**

Identne EN ISO 12706:2000

ja identne ISO 12706:2000

#### **Non-destructive testing - Terminology - Terms used in penetrant testing**

This standard consists of technical terms related to penetrant testing.

Keel en

Asendatud EVS-EN ISO 12706:2010

### **EVS-ISO/IEC Guide 99:2008**

ja identne ISO/IEC Guide 99:2007

#### **International vocabulary of metrology — Basic and general concepts and associated terms (VIM)**

In this Vocabulary, a set of definitions and associated terms is given, in English and French, for a system of basic and general concepts used in metrology, together with concept diagrams to demonstrate their relations. Additional information is given in the form of examples and notes under many definitions. This Vocabulary is meant to be a common reference for scientists and engineers — including physicists, chemists, medical scientists — as well as for both teachers and practitioners involved in planning or performing measurements, irrespective of the level of measurement uncertainty and irrespective of the field of application. It is also meant to be a reference for governmental and intergovernmental bodies, trade associations, accreditation bodies, regulators, and professional societies. Concepts used in different approaches to describing measurement are presented together. The member organizations of the JCGM can select the concepts and definitions in accordance with their respective terminologies. Nevertheless, this Vocabulary is intended to promote global harmonization of terminology used in metrology.

Keel en

## **03 TEENUSED. ETTEVÖTTE ORGANISEERIMINE, JUHTIMINE JA KVALITEET. HALDUS. TRANSPORT. SOTSIOLOOGIA**

### **UUED STANDARDID JA PUBLIKATSIOONID**

#### **CWA 16073-0:2010**

Hind 105,00

Identne CWA 16073-0:2010

##### **Business Interoperability Interfaces for Public procurement in Europe - Part 0: Introduction**

This CWA addresses the next step of standardization for the data exchange within an infrastructure shared by business partners. The focus is the semantics of the public procurement business processes built by xml based vocabularies specified by UBL 2.0 and UN/CEFACT core components. This is expressed in the CWA profile descriptions. A profile description is a technical specification describing: The choreography of the business processes. The business rules governing the execution of these business processes. The information content of the electronic business transactions exchanged by pointing to a given data model for each of the business transaction.

Keel en

#### **CWA 16073-1:2010**

Hind 243,00

Identne CWA 16073-1:2010

##### **Business Interoperability Interfaces for Public procurement in Europe - Part 1: Profile overview**

The objective of Workgroup 1 of the BII workshop is to: provide specification of message content and business processes that facilitates business interoperability interfaces related to pan-European electronic transactions in public procurement. To facilitate implementation of electronic commerce in a standardized way, thereby enabling the development of standardized software solutions as well as efficient connections between trading partners without case-by-case specification of the data interchange, the workshop agreed to document the required business interoperability interfaces as profile descriptions. The end goal is to reduce the cost of implementing electronic commerce to a level that is economical for small and medium size companies and institutions.

Keel en

#### **CWA 16073-2:2010**

Hind 114,00

Identne CWA 16073-2:2010

##### **Business Interoperability Interfaces for Public procurement in Europe - Part 2: Convergence and gap analyses**

The aim of BII WG2 and the support of the UBL-UN/CEFACT convergence process is to ensure that the requirements of the BII Workshop are met by the relevant domain group in UN/CEFACT, either by formal change requests or by active participation in the group meetings. The requests are expressed as BII – CCL mappings; additionally they include mapping analysis in relation to the ISO 20022 invoice related requirements.

Keel en

#### **CWA 16073-3:2010**

Hind 178,00

Identne CWA 16073-3:2010

##### **Business Interoperability Interfaces for Public procurement in Europe - Part 3: Toolbox Requirements**

The present document establishes guidance on architectures and requirements for tools to be considered when deploying cross-border electronic procurement systems using technical specifications defined in this CWA in the form of Business Profiles. When implementing electronic procurement systems in a pan-European cross-border environment, there are different aspects to be covered to solve interoperability issues that arise due to the lack of a European-wide common legislation or to the different standards or tools that may address a specific issue. The present document is applicable to security, contents and transport issues that arise when deploying the technical specifications in Part 1 of this CWA. The main purpose of the present document is to provide information on alternatives and recommendations on the main aspects applicable when implementing profiles to build electronic procurement systems. Although the main focus is on public procurement procedures where legal aspects apply, the same tools and architectures can be used when developing and deploying electronic procurement systems in the private sector.

Keel en

**CWA 16073-4:2010**

Hind 124,00

Identne CWA 16073-4:2010

**Business Interoperability Interfaces for Public procurement in Europe - Part 4: Evaluation guidelines for testing and piloting**

This document together with attachments (see below) presents guidance to capture "Lessons Learned" for Pilot projects. This CWA can be used as the boilerplate for "Lessons Learned", that is information pertinent to experiences and insights captured before, during and immediately after conducting a Pilot. "Lessons Learned" is a loosely and open ended term, but is typically used as the collective moniker for a document that compiles information about an event (project, pilot, task etc.) with the purpose to obtain knowledge about one or more areas. The end goal of the Lessons Learned effort is – put in other words – to improve something, "something" being a process, the way an individual task is executed, user support, information access, quality of services and more.

Keel en

**EVS 807:2010**

Hind 315,00

ja identne EVS 807:2004

**Kinnisvara korrashoid. Kinnisvarakeskkonna korraldamine**

Käesolev standard annab ja avab kinnisvara korrashoiu valdkonna põhimõisted ning arusaama korrashoiu ratsionaalsest korraldusest, sellega kaasnevast dokumenteerimisest ning kulutustest.

Keel et

Asendab EVS 807:2004

**EVS-EN 15733:2010**

Hind 155,00

Identne EN 15733:2009

**Services of real estate agents - Requirements for the provision of services of real estate agents**

This European Standard specifies requirements for the services of real estate agents. This European Standard applies to business-to-business and business-to-consumer services. It is to be noted however that legal provisions for real estate agents exist in many countries and they are to be taken into consideration. The real estate agents need to comply with all applicable relevant European and national legislation. European and national legislations supersede this European Standard in case of conflicting requirements. The requirements of the European Standard are applicable to the provision of all services including those provided by electronic means and the internet.

Keel en

**EVS-EN 60300-3-15:2010**

Hind 256,00

Identne EN 60300-3-15:2009

ja identne IEC 60300-3-15:2009

**Dependability management - Part 3-15: Application guide - Engineering of system dependability**

This part of IEC 60300 provides guidance for an engineering system's dependability and describes a process for realization of system dependability through the system life cycle. This standard is applicable to new system development and for enhancement of existing systems involving interactions of system functions consisting of hardware, software and human elements. This standard also applies to providers of subsystems and suppliers of products that seek system information and criteria for system integration. Methods and tools are provided for system dependability assessment and verification of results for achievement of dependability objectives.

Keel en

**EVS-EN ISO 17264:2010**

Hind 166,00

Identne EN ISO 17264:2009

ja identne ISO 17264:2009

**Intelligent transport systems - Automatic vehicle and equipment identification - Interfaces**

This International Standard provides the specifications of: - common AVI/AEI transaction requirements, which define the common steps of any AVI/AEI transaction; - AVI/AEI application interface to standardized wireless protocols (referred to as the "Air Interface") supporting the AVI transaction requirements, so as to enable interoperability.

Keel en

**EVS-EN ISO/IEC 17030:2010**

Hind 92,00

Identne EN ISO/IEC 17030:2009

ja identne ISO/IEC 17030:2003

**Conformity assessment - General requirements for third-party marks of conformity**

This International Standard provides general requirements for third-party marks of conformity, including their issue and use.

Keel en

## **ISO/TR 10017:2003 et**

Hind 178,00

ja identne ISO/TR 10017:2003

### **Juhised ISO 9001:2000 statistiliste meetodite kasutamiseks**

Käesolev tehniline aruanne annab juhised sobivate statistiliste meetodite valikuks, mis võivad aidata organisatsioone ISO 9001 standardile vastavate kvaliteedijuhtimissüsteemide arendamisel, elluviimisel, alalhoidmisel ja parendamisel. Uuritud on kvantitatiivsete andmete kasutamist eeldavaid ISO 9001 nõudeid ning seejärel identifitseeritud ja kirjeldatud statistilisi meetodeid, mida võib selliste andmete jaoks kasulikult rakendada. Käesolevas tehnilises aruandes viidatud statistiliste meetodite loetelu ei ole täielik ega põhjalik ning ei välista ühegi teise organisatsioonile kasuliku meetodi (statistilise või mittestatistilise) kasutamist. Veel enam, käesolev tehniline aruanne ei püüa ette kirjutada, millist statistilist meetodit peab kasutama. Käesolev tehniline aruanne ei ole mõeldud sertifitseerimisel, regulatiivsetel ega lepingutega seotud eesmärkidel kasutamiseks. See ei ole mõeldud kasutamiseks kohustusliku kontrollnimekirjana ISO 9001:2000 nõuetele vastavuse analüüsil. Statistiliste meetodite kasutamine on õigustatud, kui nende rakendamine võiks kaasa aidata kvaliteedijuhtimissüsteemi mõjususe parendamisele. MÄRKUS 1 Termineid 'statistilised tehnikad' ja 'statistilised meetodid' kasutatakse sageli vaheldumisi. MÄRKUS 2 Käesolevas tehnilises aruandes kasutatakse terminit 'toode' ka üldiste tootekategooriate teenus, tarkvara, riistvara ja töötlusmaterjalid või nende kombinatsiooni tähenduses kooskõlas 'toote' määratlusega standardis ISO 9000:2000.

Keel et

## **ASENDATUD VÕI TÜHISTATUD STANDARDID**

### **EVS 807:2004**

ja identne EVS 807:2004

#### **Kinnisvara korrashoiu tagamise tegevused**

Käesolev standard on mõeldud kasutamiseks kinnisvara korrashoiuga seotud tegevuste korraldamisel. Kinnisasi on maapinna piiritletud osa; kinnisasja olulised osad on sellega püsivalt ühendatud asjad ja seotud asjaõigused. Kinnisvara on isikule kuuluvate kinnisasjaga seotud õiguste ja kohustuste kogum.

Keel et

Asendab EVS 807:2001

Asendatud EVS 807:2010

## **KAVANDITE ARVAMUSKÜSITLUS**

### **FprEN 9120**

Identne FprEN 9120:2009

Tähtaeg 29.04.2010

#### **Quality Management Systems - Requirements for Aviation, Space and Defence Distributors**

This European Standard includes ISO 9001:2008(1) quality management system requirements and specifies additional aviation, space and defence industry requirements, definitions and notes as shown in bold, italic text. It is emphasized that the requirements specified in this standard are complementary (not alternative) to contractual and applicable statutory and regulatory requirements. Should there be a conflict between the requirements of this standard and applicable statutory or regulatory requirements, the latter shall take precedence. This European Standard specifies requirements for a quality management system where an organization: a) needs to demonstrate its ability to consistently provide product that meets customer and applicable statutory and regulatory requirements; and b) aims to enhance customer satisfaction through the effective application of the system, including processes for continual improvement of the system and the assurance of conformity to customer and applicable statutory and regulatory requirements.

Keel en

Asendab EVS-EN 9120:2006

### **prEN ISO 14825**

Identne prEN ISO 14825:2010

ja identne ISO/DIS 14825:2010

Tähtaeg 29.04.2010

#### **Geographic Data Files - GDF5.0**

This International Standard specifies the conceptual and logical data model and physical encoding formats for geographic data bases for Intelligent Transport Systems (ITS) applications and services. It includes a specification of potential contents of such data bases (data dictionaries for Features, Attributes and Relationships), a specification of how these contents shall be represented, and of how relevant information about the database itself can be specified (metadata). The focus of this International Standard is on ITS applications and services and it emphasizes road and road related information. ITS applications and services, however, also require information in addition to road and road related information.

Keel en

Asendab EVS-EN ISO 14825:2004

## 07 MATEMAATIKA. LOODUSTEADUSED

### UUED STANDARDID JA PUBLIKATSIOONID

#### **EVS-EN ISO 11737-2:2010**

Hind 166,00

Identne EN ISO 11737-2:2009

ja identne ISO 11737-2:2009

**Meditsiiniseadmete steriliseerimine.**

**Mikrobioloogilised meetodid. Osa 2: Steriilsuskatsed steriliseerimisprotsessi määratlemisel, valideerimisel ja rakendamisel**

1.1 This part of ISO 11737 specifies the general criteria for tests of sterility on medical devices that have been exposed to a treatment with the sterilizing agent reduced relative to that anticipated to be used in routine sterilization processing. These tests are intended to be performed when defining, validating or maintaining a sterilization process. 1.2 This part of ISO 11737 is not applicable to: a) sterility testing for routine release of product that has been subjected to a sterilization process; b) performing a test for sterility (see 3.12);

Keel en

Asendab EVS-EN ISO 11737-2:2000

### ASENDATUD VÕI TÜHISTATUD STANDARDID

#### **EVS-EN ISO 11737-2:2000**

Identne EN ISO 11737-2:2000

ja identne ISO 11737-2:1998

**Sterilization of medical devices - Microbiological methods - Part 2: Tests of sterility performed in the validation of a sterilization process**

This Part of the Standard specifies the general criteria for tests of sterility on medical devices which have been exposed to a treatment with the sterilizing agent that is a fraction of the specified sterilization process.

Keel en

Asendatud EVS-EN ISO 11737-2:2010

## 11 TERVISEHOOLDUS

### UUED STANDARDID JA PUBLIKATSIOONID

#### **EVS-EN 60601-2-41:2010**

Hind 229,00

Identne EN 60601-2-41:2009

ja identne IEC 60601-2-41:2009

**Elektrilised meditsiiniseadmed. Osa 2-41: Erinõuded kirurgiliste lampide ja diagnoosilampide ohutusele**

This particular standard applies to the BASIC SAFETY and ESSENTIAL PERFORMANCE of SURGICAL LUMINAIRES AND LUMINAIRES FOR DIAGNOSIS, hereafter referred to as ME EQUIPMENT. This particular standard does not apply to - headlights; - endoscopes, laparoscopes and their light sources, which are covered by IEC 60601-2-18; - luminaires used in dentistry, which are covered by ISO 9680; - luminaires for general purposes, which are covered by IEC 60598-2-1 and IEC 60598-2-4; - luminaires dedicated to therapeutic purposes; - special purpose lights with different conditions of use such as UV lights for dermatological diagnosis, slit lamps for ophthalmology, lights for surgical microscopes and lights for surgical navigation systems; - lights connected to surgical instruments; - luminaires of an emergency lighting, which are covered by IEC 60598-2-22.

Keel en

Asendab EVS-EN 60601-2-41:2002

#### **EVS-EN 80601-2-35:2010**

Hind 295,00

Identne EN 80601-2-35:2009

ja identne IEC 80601-2-35:2009

**Medical electrical equipment - Part 2-35: Particular requirements for the basicsafety and essential performance of heating devices using blankets, pads and mattresses and intended for heating in medical use**

This International Standard applies to the BASIC SAFETY and ESSENTIAL PERFORMANCE of HEATING DEVICES using BLANKETS, PADS or MATTRESSES in medical use, also referred to as ME EQUIPMENT. HEATING DEVICES intended to prewarm a bed are included in the scope of this International Standard. If a clause or subclause is specifically intended to be applicable to ME EQUIPMENT only, or to ME SYSTEMS only, the title and content of that clause or subclause will say so. If that is not the case, the clause or subclause applies both to ME EQUIPMENT and to ME SYSTEMS, as relevant. If a clause or subclause is specifically intended to apply to a specifically defined type of ME EQUIPMENT, as is the case with FORCED AIR DEVICES, then the clause or subclause is entitled as such. Clauses or subclauses that apply to all types of ME EQUIPMENT within the scope of this standard are not specifically entitled.

Keel en

Asendab EVS-EN 60601-2-35:2001

**EVS-EN 80601-2-59:2010**

Hind 219,00

Identne EN 80601-2-59:2009

ja identne IEC 80601-2-59:2008+Corr:2009

**Meditiinilised elektriseadmed. Osa 2-59: Erinõuded inimese palavikutemperatuuri kuvamise ekraantermograafide põhiomaduste ja -toimivusele**

This International Standard applies to the BASIC SAFETY and ESSENTIAL PERFORMANCE of SCREENING THERMOGRAPHS intended to be used for the individual non-invasive febrile temperature screening of humans under indoor environmental conditions, hereafter referred to as ME EQUIPMENT. This International Standard sets laboratory characterization test limits for the SCREENING THERMOGRAPH.

Keel en

**EVS-EN ISO 1942:2010**

Hind 315,00

Identne EN ISO 1942:2009

ja identne ISO 1942:2009

**Dentistry - Vocabulary**

This International Standard provides definitions for a number of concepts specific to dentistry in the interest of facilitating development and comprehension of standards, and to improve communication with the Fédération Dentaire Internationale, the World Health Organization and other interested organizations.

Keel en

Asendab EVS-EN ISO 1942-5:1999; EVS-EN 21942-1:1999

**EVS-EN ISO 3630-4:2010**

Hind 124,00

Identne EN ISO 3630-4:2009

ja identne ISO 3630-4:2009

**Dentistry - Root canal instruments - Part 4: Auxiliary instruments**

This part of ISO 3630 specifies requirements and test methods for hand-held or mechanically operated instruments for performing root canal procedures not cited in ISO 3630-1, 3630-2, 3630-3 or 3630-5. This part of ISO 3630 specifies requirements for size, product designation, safety considerations, instructions and labelling.

Keel en

**EVS-EN ISO 4073:2010**

Hind 80,00

Identne EN ISO 4073:2009

ja identne ISO 4073:2009

**Dentistry - Information system on the location of dental equipment in the working area of the oral health care provider**

This International Standard specifies an information system for the location of items of dental equipment that are used in the working area of the team of the oral health care provider where examination, treatment and other clinical procedures, with the patient directly involved, are carried out. The identification system provides the means of giving general information about the presence of items and of describing relevant characteristics concerning dimensional flexibility and adaptability of the items and parts of their accessories. In addition, this International Standard provides definitions for general terms used in the area of dental equipment.

Keel en

Asendab EVS-EN ISO 4073:2005

**EVS-EN ISO 8362-1:2010**

Hind 92,00

Identne EN ISO 8362-1:2009

ja identne ISO 8362-1:2009

**Injection containers and accessories - Part 1: Injection vials made of glass tubing**

This part of ISO 8362 specifies the form, dimensions and capacities of glass vials for injectable preparations. It also specifies the material from which such containers shall be made and the performance requirements of those containers. This part of ISO 8362 applies to colourless or amber glass containers made from borosilicate or soda-lime glass, made from glass tubing, whether internally surface-treated or not, and intended to be used in the packaging, storage or transportation of products intended for injection.

Keel en

Asendab EVS-EN ISO 8362-1:2004

**EVS-EN ISO 8596:2010**

Hind 92,00

Identne EN ISO 8596:2009

ja identne ISO 8596:2009

**Oftalmiline optika. Nägemisteravuse kontrollimine. Standardoptotüüp ja selle esitlus**

This International Standard specifies a range of Landolt ring optotypes and describes a method for measuring distance visual acuity under daylight conditions for the purposes of certification or licensing. It is neither intended as a standard for clinical measurements nor for the certification of blindness or partial sight. For the purposes of measuring visual acuity, the standard optotype should be used. For clinical use, see the recommendation prepared by the Visual Functions Committee of the International Council of Ophthalmology[1].

Keel en

Asendab EVS-EN ISO 8596:1999

**EVS-EN ISO 9801:2010**

Hind 124,00

Identne EN ISO 9801:2009

ja identne ISO 9801:2009

**Ophthalmic instruments - Trial case lenses**

This International Standard specifies requirements for mounted ophthalmic full and/or reduced aperture trial case lenses for the determination of the refractive error of the eye. This International Standard takes priority over ISO 15004-1, if differences exist.

Keel en

Asendab EVS-EN ISO 9801:2001

**EVS-EN ISO 10993-9:2010**

Hind 124,00

Identne EN ISO 10993-9:2009

ja identne ISO 10993-9:2009

**Meditiiniseadmete bioloogiline hindamine. Osa 9: Potentsiaalsete lagusaaduste identifitseerimise ja kvantifitseerimise raamistik**

This part of ISO 10993 provides general principles for the systematic evaluation of the potential and observed biodegradation of medical devices and for the design and performance of biodegradation studies. Information obtained from these studies can be used in the biological evaluation described in the ISO 10993 series. This part of ISO 10993 considers both non-resorbable and resorbable materials.

Keel en

Asendab EVS-EN ISO 10993-9:2009

### **EVS-EN ISO 11737-2:2010**

Hind 166,00

Identne EN ISO 11737-2:2009

ja identne ISO 11737-2:2009

#### **Meditsiiniseadmete steriliseerimine.**

#### **Mikrobioloogilised meetodid. Osa 2: Steriilsuskatsed steriliseerimisprotsessi määratlemisel, valideerimisel ja rakendamisel**

1.1 This part of ISO 11737 specifies the general criteria for tests of sterility on medical devices that have been exposed to a treatment with the sterilizing agent reduced relative to that anticipated to be used in routine sterilization processing. These tests are intended to be performed when defining, validating or maintaining a sterilization process. 1.2 This part of ISO 11737 is not applicable to: a) sterility testing for routine release of product that has been subjected to a sterilization process; b) performing a test for sterility (see 3.12);

Keel en

Asendab EVS-EN ISO 11737-2:2000

### **EVS-EN ISO 18113-1:2010**

Hind 256,00

Identne EN ISO 18113-1:2009

ja identne ISO 18113-1:2009

#### **In vitro meditsiinilised diagnostikaseadmed. Tootja poolt antav teave (etikettimine). Osa 1: Terminid, määratlused ja üldnõuded**

This part of ISO 18113 defines concepts, establishes general principles and specifies essential requirements for information supplied by the manufacturer of IVD medical devices. This part of ISO 18113 does not address language requirements, since that is the domain of national laws and regulations. This part of ISO 18113 does not apply to a) IVD devices for performance evaluation (e.g., for investigational use only), b) instrument marking, c) material safety data sheets.

Keel en

### **EVS-EN ISO 18113-2:2010**

Hind 135,00

Identne EN ISO 18113-2:2009

ja identne ISO 18113-2:2009

#### **In vitro meditsiinilised diagnostikaseadmed. Tootja poolt antav teave (etikettimine). Osa 2: Professionaalseks kasutamiseks mõeldud in vitro diagnostilised reaktiivid**

This part of ISO 18113 specifies requirements for information supplied by the manufacturer of IVD reagents for professional use. This part of ISO 18113 also applies to information supplied by the manufacturer with calibrators and control materials intended for use with IVD medical devices for professional use. This part of ISO 18113 can also be applied to accessories. This part of ISO 18113 applies to the labels for outer and immediate containers and to the instructions for use. This part of ISO 18113 does not apply to a) IVD instruments or equipment, b) IVD reagents for self-testing.

Keel en

Asendab EVS-EN 375:2001

### **EVS-EN ISO 18113-3:2010**

Hind 124,00

Identne EN ISO 18113-3:2009

ja identne ISO 18113-3:2009

#### **In vitro meditsiinilised diagnostikaseadmed. Tootja poolt antav teave (etikettimine). Osa 3: Professionaalseks kasutamiseks mõeldud in vitro diagnostilised instrumendid**

This part of ISO 18113 specifies requirements for information supplied by the manufacturer of IVD instruments for professional use. This part of ISO 18113 also applies to apparatus and equipment intended to be used with IVD instruments for professional use. This part of ISO 18113 can also be applied to accessories. This part of ISO 18113 does not apply to: a) instructions for instrument servicing or repair, b) IVD reagents, including calibrators and control materials for use in control of the reagent, c) IVD instruments for self-testing.

Keel en

Asendab EVS-EN 591:2001

### **EVS-EN ISO 18113-4:2010**

Hind 135,00

Identne EN ISO 18113-4:2009

ja identne ISO 18113-4:2009

#### **In vitro meditsiinilised diagnostikaseadmed. Tootja poolt antav teave (etikettimine). Osa 4: Enesekontrolliks mõeldud in vitro diagnostilised reaktiivid**

This part of ISO 18113 specifies requirements for information supplied by the manufacturer of IVD reagents for self-testing. This part of ISO 18113 also applies to information supplied by the manufacturer with calibrators and control materials intended for use with IVD medical devices for self-testing. This part of ISO 18113 can also be applied to accessories. This part of ISO 18113 applies to the labels for outer and immediate containers and to the instructions for use. This part of ISO 18113 does not apply to: a) IVD instruments or equipment, b) IVD reagents for professional use.

Keel en

Asendab EVS-EN 376:2002

### **EVS-EN ISO 18113-5:2010**

Hind 124,00

Identne EN ISO 18113-5:2009

ja identne ISO 18113-5:2009

#### **In vitro meditsiinilised diagnostikaseadmed. Tootja poolt antav teave (etikettimine). Osa 5: Enesekontrolliks mõeldud in vitro diagnostilised instrumendid**

This part of ISO 18113 specifies requirements for information supplied by the manufacturer of IVD instruments for self-testing. This part of ISO 18113 also applies to apparatus and equipment intended to be used with IVD instruments for self-testing. This part of ISO 18113 can also be applied to accessories. This part of ISO 18113 does not apply to a) instructions for instrument servicing or repair, b) IVD reagents, including calibrators and control materials for use in control of the reagent, c) IVD instruments for professional use.

Keel en

Asendab EVS-EN 592:2002

## **ASENDATUD VÕI TÜHISTATUD STANDARDID**

### **EVS-EN 375:2001**

Identne EN 375:2001

**Nõuded professionaalseks kasutamiseks mõeldud in vitro kasutatavate diagnostiliste reaktiivide sildiga märgistusele**

Standard kehtib professionaalseks kasutamiseks mõeldud in vitro kasutatavate diagnostiliste reaktiivide sildiga märgistamise kohta.

Keel en

Asendatud EVS-EN ISO 18113-2:2010

### **EVS-EN 376:2002**

Identne EN 376:2002

**Tootja poolt esitatav informatsioon enesekontrolliks kasutatavate in vitro diagnostiliste reaktiivide kohta**

The standard specifies the requirements for the information supplied by the manufacturer of in vitro diagnostic reagents for use in self-testing including reagent products, calibrators, control materials and kits, which hereafter are called IVD reagents.

Keel en

Asendab EVS-EN 376:1999

Asendatud EVS-EN ISO 18113-4:2010

### **EVS-EN 591:2001**

Identne EN 591:2001

**Professionaalseks kasutamiseks mõeldud in vitro diagnostiliste instrumentide kasutamise eeskirjad**

This standard specifies the requirements for the contents of instructions for use for in-vitro diagnostic instruments including apparatus, equipment, calibrators and materials for professional use, hereafter called IVD instruments.

Keel en

Asendab EVS-EN 591:1999

Asendatud EVS-EN ISO 18113-3:2010

### **EVS-EN 592:2002**

Identne EN 592:2002

**Enesekontrolliks mõeldud in vitro diagnostiliste instrumentide kasutamise eeskirjad**

This standard specifies the requirements for the contents of instructions for use for in vitro diagnostic instruments including apparatus and equipment for self-testing which hereafter are called IVD instruments.

Keel en

Asendab EVS-EN 592:1999

Asendatud EVS-EN ISO 18113-5:2010

### **EVS-EN 21942-1:1999**

Identne EN 21942-1:1991

ja identne ISO 1942-1:1989

**Hambaravisõnastik. Osa 1: Üld- ja kliinilised mõisted**

Standard määratleb terminid, mis on kasutusel stomatoloogias; eriti need, mis on seotud ambaravimaterjalide, -instrumentide ja -aparatuuriga ning nende testimisega.

Keel en

Asendatud EVS-EN ISO 1942:2010

### **EVS-EN 60601-2-35:2001**

Identne EN 60601-2-35:1996

ja identne IEC 601-2-35:1996

**Elektrilised meditsiiniseadmed. Osa 2: Erinõuded meditsiinilises kasutuses soojendamiseks mõeldud tekkide, patjade ja madratsite ohutusele**

This particular standard specifies requirements for blankets, pads, and mattresses including air-flotation mattresses and forced-air systems as defined in 2.2.106 and 2.2.107.

Keel en

Asendatud EVS-EN 80601-2-35:2010

### **EVS-EN 60601-2-41:2002**

Identne EN 60601-2-41:2000

ja identne IEC 60601-2-41:2000

**Elektrilised meditsiiniseadmed. Osa 2-41: Erinõuded kirurgiliste lampide ja diagnoosilampide ohutusele**

This particular standard details the requirements to be applied to surgical luminaires and luminaires for diagnosis as defined in clauses 2.101 through 2.104, hereinafter referred to as EQUIPMENT.

Keel en

Asendatud EVS-EN 60601-2-41:2010

### **EVS-EN ISO 1942-5:1999**

Identne EN ISO 1942-5:1994

ja identne ISO 1942-5:1989

**Hambaravisõnastik. Osa 5: Katsetamisega seotud terminid**

Standardi käesolev osa määratleb terminid, mis on seotud stomatoloogiliste vahendite testimisega. Üld- ja kliinilised terminid ning terminid, mis kehtivad hambaravimaterjalide, -instrumentide ja -aparatuuri kohta, sisalduvad käesoleva standardi neljas ülejäänud osas. Terminid ja määratlused on antud võrdselt nii inglise kui prantsuse keeles.

Keel en

Asendatud EVS-EN ISO 1942:2010

### **EVS-EN ISO 4073:2005**

Identne EN ISO 4073:2005

ja identne ISO 4073:1980

**Dental equipment - Items of dental equipment at the working place - Identification system**

Keel en

Asendatud EVS-EN ISO 4073:2010

### **EVS-EN ISO 8362-1:2004**

Identne EN ISO 8362-1:2004

ja identne ISO 8362-1:2003

**Injection containers and accessories - Part 1: Injection vials made of glass tubing**

This part of ISO 8362 specifies the form, dimensions and capacities of glass vials for injectable preparations. It also specifies the material from which such containers shall be made and the performance requirements of those containers. This part of ISO 8362 applies to colourless or amber glass containers made from borosilicate or soda-lime glass, in the form of glass tubing, whether internally surface-treated or not, and intended for use in the packaging, storage or transportation of products intended for injection.

Keel en

Asendab EVS-EN 28362-1:1999

Asendatud EVS-EN ISO 8362-1:2010

**EVS-EN ISO 8596:1999**

Identne EN ISO 8596:1996

ja identne ISO 8596:1994

**Oftalmiline optika. Nägemisteravuse kontrollimine. Standardoptotüüp ja selle esitlus**

Käesolev rahvusvaheline standard esitab Landolti rõngasoptotüüpide rea ning kirjeldab meetodit, mis on ette nähtud päevavalgustingimustes nägemisteravuse mõõtmiseks distantsilt sertifitseerimise või litsentseerimise otstarbel.

Keel en

Asendatud EVS-EN ISO 8596:2010

**EVS-EN ISO 9801:2001**

Identne EN ISO 9801:1999

ja identne ISO 9801:1997

**Optics and optical instruments - Trial case lenses**

This International Standard specifies requirements for mounted ophthalmic full and/or reduced aperture trial case lenses for the determination of the refractive error of the eye

Keel en

Asendatud EVS-EN ISO 9801:2010

**EVS-EN ISO 10993-9:2009**

Identne EN ISO 10993-9:2009

ja identne ISO 10993-9:1999

**Meditsiiniseadmete bioloogiline hindamine. Osa 9: Potentsiaalsete lagusaaduste identifitseerimise ja kvantifitseerimise raamistik**

This part of ISO 10993 provides general principles for the systematic evaluation of the potential and observed biodegradation of medical devices and for the design and performance of biodegradation studies. This part of ISO 10993 is not applicable to: a) viable-tissue engineered products; b) methodologies for the generation of degradation products by mechanical processes. Methodologies for the production of this type of degradation product are described in specific product standards, where available; c) leachable components which are not degradation products. Where product standards provide applicable product-specific methodologies for the identification and quantification of degradation products, those standards shall be considered as alternatives.

Keel en

Asendab EVS-EN ISO 10993-9:2000

Asendatud EVS-EN ISO 10993-9:2010

**EVS-EN ISO 11737-2:2000**

Identne EN ISO 11737-2:2000

ja identne ISO 11737-2:1998

**Sterilization of medical devices - Microbiological methods - Part 2: Tests of sterility performed in the validation of a sterilization process**

This Part of the Standard specifies the general criteria for tests of sterility on medical devices which have been exposed to a treatment with the sterilizing agent that is a fraction of the specified sterilization process.

Keel en

Asendatud EVS-EN ISO 11737-2:2010

**KAVANDITE ARVAMUSKÜSITLUS****EN ISO 15912:2006/prA1**

Identne EN ISO 15912:2006/prA1:2010

ja identne ISO 15912:2006/DAM 1:2010

Tähtaeg 29.04.2010

**Stomatoloogia. Investeeringud valamiseseadmetesse ja tulekindlad stantsimismaterjalid**

This International Standard is applicable to dental investment, brazing and refractory die materials, regardless of the nature of the binding system or the particular application. This International Standard classifies investments into types according to their intended use and classes according to the burn-out procedure recommended by the manufacturer.

Keel en

**EN ISO 21671:2006/prA1**

Identne EN ISO 21671:2006/prA1:2009

ja identne ISO 21671:2006/DAM 1:2009

Tähtaeg 29.04.2010

**Dentistry - Rotary polishers**

This International Standard specifies the dimensions and other requirements for the most commonly used polishers which are used at the working place of the dentist and/or in the dental laboratory. This International Standard is applicable to unmounted and mounted polishers.

Keel en

**EN ISO 24234:2004/prA1**

Identne EN ISO 24234:2004/prA1:2010

ja identne ISO 24234:2004/DAM 1:2010

Tähtaeg 29.04.2010

**Dentistry - Mercury and alloys for dental amalgam**

This International Standard specifies the requirements and test methods for alloys and for mercury suitable for the preparation of dental amalgam, together with the requirements and test methods for that amalgam and the requirements for packaging and marking.

Keel en



## 13 KESKKONNA- JA TERVISEKAITSE. OHUTUS

### UUED STANDARDID JA PUBLIKATSIOONID

#### CEN/TR 15985:2010

Hind 105,00

Identne CEN/TR 15985:2010

#### **Thermal insulating products - Factory made products of expanded polystyrene (EPS) - Voluntary certification of the raw material**

It is essential that EPS products with a reaction to fire performance better than Euroclass F be manufactured from raw materials with a chemical composition, which is under the control of the raw material producer. This Technical Report specifies the conditions allowing reduction of the FPC frequency for testing the reaction to fire of specimens made from flame retardant EPS raw material. The preconditions are that products are manufactured solely from a specified, certified raw material, within defined density limits, and produced in the way specified by the raw material supplier. The frequency of testing the final product can be reduced in accordance with EN 13163:2008, Annex B, Table B.2 footnote to table h. It is essential that the reaction to fire performance of the raw material be labelled according to 9.2 in the certificate from an approved body (see EN 13172:2008, 5.3.3 and Annex A). The certification of the raw material relates only to products for which the reaction to fire Euroclass E according to EN 13501-1 is being claimed. The manufacturer of the EPS boards / products continues to be responsible for the FPC of the EPS boards / products. This Technical Report is in accordance with the general rules of EN 13172.

Keel en

#### **EVS-EN 3-10:2010**

Hind 219,00

Identne EN 3-10:2009

#### **Portable fire extinguishers - Part 10: Provisions for evaluating the conformity of a portable fire extinguisher to EN 3-7**

This European Standard specifies the minimum requirements for attesting the conformity of portable fire extinguishers to EN 3-7, as well as the requirements for the quality and production control of the fire extinguishers.

Keel en

Asendab EVS-EN 3-6:1998; EVS-EN 3-6:1998/A1:1999

#### **EVS-EN 207:2010**

Hind 188,00

Identne EN 207:2009

#### **Personal eye-protection equipment - Filters and eye-protectors against laser radiation (laser eye-protectors)**

This European Standard applies to eye-protectors used for protection against accidental exposure to laser radiation as defined in EN 60825-1:2007 in the spectral range 180 nm (0,18 µm) to 1 000 µm. It defines the requirements, test methods and marking. A guide is given in Annex B for the selection and use of laser eye-protectors. This European Standard does not apply to protectors for intentional exposure to laser radiation. EN 208 applies for laser adjustment eye-protectors.

Keel en

Asendab EVS-EN 207:1999; EVS-EN 207:1999/A1:2002

#### **EVS-EN 208:2010**

Hind 166,00

Identne EN 208:2009

#### **Isiklikud silmakatisevahendid. Laserite ja lasersüsteemide justeerimisel kasutatavad silmakatisevahendid (laserite justeerimise silmakatisevahendid)**

This European Standard applies to laser adjustment filters and eye-protectors. These are filters and eye-protectors for use in adjustment work on lasers and laser systems as defined in EN 60825-1:2007 where hazardous radiation occurs in the visible spectral range of 400 nm to 700 nm. Filters specified in this European Standard reduce this radiation to values defined for lasers of class 2 ( $\leq 1$  mW for CW (continuous wave) lasers). This European Standard defines the requirements, test methods and marking. A guide is given in Annex B with regard to selection and use. EN 207 applies to eye-protection against accidental exposure to laser radiation.

Keel en

Asendab EVS-EN 208:1999; EVS-EN 208:1999/A1:2002

#### **EVS-EN 420:2003+A1:2010**

Hind 178,00

Identne EN 420:2003+A1:2009

#### **Kaitsekindad. Üldnõuded ja katsemeetodid**

Standard määratleb kõigi kaitsekinnaste kujunduse ja konstruktsiooni, kindamaterjalide veepidavuse, kahjutuse, mugavuse ja efektiivsuse, tähistamise ja tootja informatsiooni osas kehtivad üldnõuded.

Keel en

Asendab EVS-EN 420:2006; EVS-EN 420:2006/AC:2006

#### **EVS-EN 1822-1:2010**

Hind 155,00

Identne EN 1822-1:2009

#### **High efficiency air filters (EPA, HEPA and ULPA) - Part 1: Classification, performance testing, marking**

This European Standard applies to high efficiency particulate and ultra low penetration air filters (EPA, HEPA and ULPA) used in the field of ventilation and air conditioning and for technical processes, e.g. for applications in clean room technology or pharmaceutical industry. It establishes a procedure for the determination of the efficiency on the basis of a particle counting method using a liquid (or alternatively a solid) test aerosol, and allows a standardized classification of these filters in terms of their efficiency, both local and integral efficiency.

Keel en

Asendab EVS-EN 1822-1:1999

**EVS-EN 1822-2:2010**

Hind 178,00

Identne EN 1822-2:2009

**High efficiency air filters (EPA, HEPA and ULPA) - Part 2: Aerosol production, measuring equipment, particle counting statistic**

This European Standard applies to efficient particulate air filters (EPA), high efficiency particulate air filters (HEPA) and ultra low penetration air filters (ULPA) used in the field of ventilation and air conditioning and for technical processes, e.g. for applications in clean room technology or pharmaceutical industry. It establishes a procedure for the determination of the efficiency on the basis of a particle counting method using a liquid (or alternatively a solid) test aerosol, and allows a standardized classification of these filters in terms of their efficiency, both local and integral efficiency. This European Standard describes the measuring instruments and aerosol generators used in the course of this testing. With regard to particle counting it specifies the statistical basis for the evaluation of counts with only small numbers of counted events.

Keel en

Asendab EVS-EN 1822-2:1999

**EVS-EN 1822-3:2010**

Hind 166,00

Identne EN 1822-3:2009

**High efficiency air filters (EPA, HEPA and ULPA) - Part 3: Testing flat sheet filter media**

This European Standard applies to high efficiency particulate air filters and ultra low penetration air filters (EPA, HEPA and ULPA) used in the field of ventilation and air conditioning and for technical processes, e.g. for applications in clean room technology or pharmaceutical industry. It establishes a procedure for the determination of the efficiency on the basis of a particle counting method using a liquid test aerosol, and allows a standardized classification of these filters in terms of their efficiency. This European Standard applies to testing sheet filter media used in high efficiency air filters. The procedure includes methods, test assemblies and conditions for carrying out the test, and the basis for calculating results.

Keel en

Asendab EVS-EN 1822-3:1999

**EVS-EN 1822-4:2010**

Hind 229,00

Identne EN 1822-4:2009

**High efficiency air filters (EPA, HEPA and ULPA) - Part 4: Determining leakage of filter elements (scan method)**

This European Standard applies to efficient air filters (EPA), high efficiency air filters (HEPA) and ultra low penetration air filters (ULPA-filters) used in the field of ventilation and air conditioning and for technical processes, e.g. for applications in clean room technology or pharmaceutical industry. It establishes a procedure for the determination of the efficiency on the basis of a particle counting method using an artificial test aerosol, and allows a standardized classification of these filters in terms of their efficiency. This part of EN 1822 applies to the leak testing of filter elements. The scan method which is described in detail regarding procedure, apparatus and test conditions in the body of this standard is valid for the complete range of group H and U filters and is considered to be the reference test method for leak determination. The "Oil Thread Leak Test" according to Annex A and the "0,3 µm - 0,5 µm Particle Efficiency Leak Test" according to Annex E may be used alternatively but for defined classes of group H filters only.

Keel en

Asendab EVS-EN 1822-4:2001

**EVS-EN 1822-5:2010**

Hind 188,00

Identne EN 1822-5: 2009

**High efficiency air filters (EPA, HEPA and ULPA) - Part 5: Determining the efficiency of filter elements**

This European Standard applies to efficient particulate air filters (EPA), high efficiency particulate air filters (HEPA) and ultra low penetration air filters (ULPA) used in the field of ventilation and air conditioning and for technical processes, e.g. for applications in clean room technology or pharmaceutical industry. It establishes a procedure for the determination of the efficiency on the basis of a particle counting method using a liquid test aerosol, and allows a standardized classification of these filters in terms of their efficiency. This part of the EN 1822 series deals with measuring the efficiency of filter elements, specifying the conditions and procedures for carrying out tests, describing a specimen test apparatus and its components, and including the method for evaluating test results.

Keel en

Asendab EVS-EN 1822-5:2001

**EVS-EN 14404:2004+A1:2010**

Hind 178,00

Identne EN 14404:2004+A1:2010

**Isikukaitsevahendid. Põlvekaitset põlviliasesendis töötamiseks**

This document specifies the requirements for knee protectors for use in a kneeling position. Requirements for the marking of knee protectors and the information to be supplied by the manufacturer are given. Test methods are described and performance levels are defined. Where protection against additional hazards is claimed, performance requirements from other applicable standards may also be applied. This standard does not apply to knee protectors that are medical devices or are intended for sports.

Keel en

Asendab EVS-EN 14404:2005

**EVS-EN 14701-4:2010**

Hind 135,00

Identne EN 14701-4:2010

**Characterization of sludges - Filtration properties - Part 4: Determination of the drainability of flocculated sludges**

This European Standard specifies a method for the determination of drainability of flocculated sludges. It is applicable to sludge and sludge suspensions from: a) storm water handling; b) urban wastewater collecting systems; c) urban wastewater treatment plants; d) treating industrial wastewater similar to urban wastewater (as defined in Directive 91/271/EEC); e) water supply treatment plants. This method is also applicable to sludge suspensions from other origin.

Keel en

**EVS-EN 60204-1:2006/AC:2010**

Hind 0,00

Identne EN 60204-1:2006/Corr:2010

**Masinate ohutus. Masinate elektriseadmed. Osa 1: Üldnõuded**

Keel en

**EVS-EN 60204-11:2002/AC:2010**

Hind 0,00

Identne EN 60204-11:2000/Corr:2010

**Masinate ohutus. Masinate elektriseadmestik. Osa 11: Nõuded kõrgepinge seadmestikule vahelduvvoolu pingele üle 1000 V või alalisvoolu pingele üle 1500 V ja mis ei ületa 36 Kv**

Keel en

**EVS-EN 60335-2-30:2010**

Hind 209,00

Identne EN 60335-2-30:2009

ja identne IEC 60335-2-30:2009

**Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-30: Erinõuded ruumikütteseadmetele**

This International Standard deals with the safety of electric room heaters for household and similar purposes, their rated voltage being not more than 250 V for single-phase appliances and 480 V for other appliances. NOTE 101 Examples of appliances that are within the scope of this standard are - convector heaters; - fan heaters; - heaters for use in greenhouses; - liquid-filled radiators; - panel heaters; - radiant heaters; - tubular heaters; - ceiling mounted heat lamp appliances. For extraction fans of ceiling mounted heat lamp appliances, IEC 60335-2-80 is applicable as far as is reasonable.

Keel en

Asendab EVS-EN 60335-2-30:2003; EVS-EN 60335-2-30:2003/A1:2005; EVS-EN 60335-2-30:2003/A2:2007

**EVS-EN 60335-2-59:2003/A2:2010**

Hind 80,00

Identne EN 60335-2-59:2003/A2:2009

ja identne IEC 60335-2-59:2002/A2:2009

**Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-59: Erinõuded putukasurmajatele**

This standard deals with the safety of electric insect killers for household and similar purposes, their rated voltage being not more than 250V. So far as is practical, this standard deals with the common hazards presented by appliances which are encountered by all persons in and around the home.

Keel en

**EVS-EN 60335-2-74:2003/A2:2010**

Hind 80,00

Identne EN 60335-2-74:2003/A2:2009

ja identne IEC 60335-2-74:2002/A2:2009

**Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-74: Erinõuded kaasaskantavatele sukelduskuumutitele**

Deals with the safety of portable electric immersion heaters, their rated voltage being not more than 250 V, for household and similar purposes. Also includes appliances intended for use by laymen in shops, in light industry and on farms

Keel en

**EVS-EN 61477:2009/AC:2010**

Hind 0,00

Identne EN 61477:2009/Corr:2010

**Live working - Minimum requirements for the utilization of tools, devices and equipment**

Keel en

**EVS-EN 62061:2005/AC:2010**

Hind 0,00

Identne EN 62061:2005/Corr:2010

**Masinate ohutus. Ohutusega seotud elektriliste, elektrooniliste ja programmeeritavate elektrooniliste kontrollsüsteemide funktsionaalne ohutus**

Keel en

**EVS-EN ISO 5667-15:2010**

Hind 155,00

Identne EN ISO 5667-15:2009

ja identne ISO 5667-15:2009

**Water quality - Sampling - Part 15: Guidance on preservation and handling of sludge and sediment samples**

This part of ISO 5667 provides guidance on procedures for the preservation, handling and storage of samples of sewage and waterworks sludge, suspended matter, saltwater sediments and freshwater sediments, until chemical, physical, radiochemical and/or biological examination can be undertaken in the laboratory. The procedures in this part of ISO 5667 are only applicable to wet samples of sludge, sediment and suspended matter.

Keel en

**EVS-EN ISO 8253-2:2010**

Hind 155,00

Identne EN ISO 8253-2:2009

ja identne ISO 8253-2:2009

**Akustika - Audiomeetrilised katsemeetodid - Osa 2: Heliväljaaudiomeetria puhastooni ja kitsaribaliste kontrollisignaalidega**

This part of ISO 8253 specifies relevant test signal characteristics, requirements for free, diffuse, and quasi-free sound fields, and procedures for sound field audiometry using pure tones, frequency-modulated tones or other narrow-band test signals presented by means of one or more loudspeakers. The primary purpose is the determination of hearing threshold levels in the frequency range 125 Hz to 8 000 Hz, but this range can be extended to 20 Hz to 16 000 Hz. This part of ISO 8253 does not include specifications for the use of hand-held loudspeakers. Speech as a test signal is not covered. The purpose of this part of ISO 8253 is to ensure that tests of hearing, using sound field audiometry, give as high a degree of accuracy and reproducibility as possible. Examples of graphical representations of the results are given in Annex A.

Keel en

Asendab EVS-EN ISO 8253-2:2001

**EVS-EN ISO 28927-1:2010**

Hind 198,00

Identne EN ISO 28927-1:2009

ja identne ISO 28927-1:2009

**Kantavad käeshoitavad ajamiga tööriistad.****Katsemeetodid vibratsiooni mõõtmiseks. Osa 1: Nurga- ja tasapinnalihvijad**

This part of ISO 28927 specifies a laboratory method for measuring hand-transmitted vibration emission at the handles of hand-held power-driven angle and vertical grinders. It is a type-test procedure for establishing the magnitude of vibration in the gripping areas of a machine fitted with a specified test wheel and run under no-load conditions. The method has been established for surface grinding tasks only. Cutting and sanding generally create lower vibrations. It is intended that the results be used to compare different models of the same type of machine. This part of ISO 28927 is applicable to hand-held machines (see Clause 5), driven pneumatically or by other means, intended for grinding, cutting-off and rough sanding, with bonded, coated and super-abrasive products for use on all kinds of materials. It is not applicable to grinders used with wire brushes, nor is it applicable to die or straight grinders.

Keel en

Asendab EVS-EN ISO 8662-4:1999

**EVS-EN ISO 28927-2:2010**

Hind 229,00

Identne EN ISO 28927-2:2009

ja identne ISO 28927-2:2009

**Kantavad käeshoitavad ajamiga tööriistad. Katsemeetodid vibratsiooni mõõtmiseks. Osa 2: Kruvikeerajad, mutrivõtmed ja kruustangid**

This part of ISO 28927 specifies a laboratory method for measuring hand-transmitted vibration emission at the handles of hand-held power-driven wrenches, nutrunners and screwdrivers used for tightening and loosening threaded fasteners. It is a type-test procedure for establishing the magnitude of vibration in the gripping areas of a machine when operating at a specified load. The method has been tested for fastening tasks only. It is intended that the results be used to compare different models of the same type of machine. This part of ISO 28927 is applicable to hand-held machines (see Clause 5), driven pneumatically or by other means, with impact or impulse action, of shut-off, ratchet or stall type, and of all designs — straight, pistol-grip, angle or bow handle. It covers machines with 6,3 mm to 40 mm (1/4 in to 1 1/2 in) male or female drive output shafts, as well as other geometries. It is not applicable to nutrunners designed to be used only in torque reaction arms.

Keel en

Asendab EVS-EN ISO 8662-7:1999

**EVS-EN ISO 28927-3:2010**

Hind 188,00

Identne EN ISO 28927-3:2009

ja identne ISO 28927-3:2009

**Kantavad käeshoitavad ajamiga tööriistad.****Katsemeetodid vibratsiooni mõõtmiseks. Osa 3: Poleerseadmed ning pöörlevad, tald- ning ekstsentrilühvmasinad**

This part of ISO 28927 specifies a laboratory method for measuring hand-transmitted vibration emission at the handles of hand-held, power-driven, portable polishers and rotary, orbital and random orbital sanders used for surface-finishing processes, not for material removal. It is a type-test procedure for establishing the magnitude of vibration in the gripping areas of a machine when operating under type-test conditions. It is intended that the results be used to compare different models of the same type of machine. This part of ISO 28927 is applicable to hand-held machines (see Clause 5), driven pneumatically or by other means. It is not applicable to straight grinders equipped with a sanding wheel or to belt sanders.

Keel en

Asendab EVS-EN ISO 8662-8:1999

**EVS-EN ISO 28927-5:2010**

Hind 178,00

Identne EN ISO 28927-5:2009

ja identne ISO 28927-5:2009

**Kantavad käeshoitavad ajamiga tööriistad.****Katsemeetodid vibratsiooni mõõtmiseks. Osa 5:****Trellid ja lööktrellid**

This part of ISO 28927 specifies a laboratory method for measuring hand-transmitted vibration emission at the handles of hand-held, power-driven drills and impact drills. It is a type-test procedure for establishing the magnitude of vibration in the gripping areas of a drill fitted with a drill bit. It is intended that the results be used to compare different models of the same type of machine. This part of ISO 28927 is applicable to straight drills, drills with a pistol-grip and angle drills intended for drilling holes with rotating or impact action in all kinds of materials (see Clause 5), driven pneumatically or by other means. It is not applicable to heavy-duty drills with a screw feed or drills driven by a combustion engine.

Keel en

Asendab EVS-EN ISO 8662-6:1999

**EVS-EN ISO 28927-6:2010**

Hind 166,00

Identne EN ISO 28927-6:2009

ja identne ISO 28927-6:2009

**Kantavad käeshoitavad ajamiga tööriistad.****Katsemeetodid vibratsiooni mõõtmiseks. Osa 6:****Rammid**

This part of ISO 28927 specifies a laboratory method for measuring hand-transmitted vibration emission at the handles of hand-held, power-driven rammers. It is a type-test procedure for establishing the magnitude of vibration in the gripping areas of a machine run under specified test conditions. It is intended that the results be used to compare different models of the same type of machine. This part of ISO 28927 is applicable to rammers, back-fill rammers, paving rammers, sand rammers and stampers (see Clause 5), driven pneumatically or by other means, intended for use in foundries, on building sites, etc., and with, for example, butts or peens made of cast iron or rubber, used for ramming of casting sand or in stamping work.

Keel en

Asendab EVS-EN ISO 8662-9:1999

**EVS-EN ISO 28927-7:2010**

Hind 166,00

Identne EN ISO 28927-7:2009

ja identne ISO 28927-7:2009

**Kantavad käeshoitavad ajamiga tööriistad.****Katsemeetodid vibratsiooni mõõtmiseks. Osa 7:****Plekikärid ja -löikurid**

This part of ISO 28927 specifies a laboratory method for measuring hand-transmitted vibration emission at the handles of hand-held, power-driven nibblers and shears. It is a type-test procedure for establishing the magnitude of vibration in the gripping areas of a machine run under specified test conditions. It is intended that the results be used to compare different models of the same type of machine. This part of ISO 28927 is applicable to nibblers and shears (see Clause 5), driven pneumatically or by other means, intended for cutting sheet metal or composite materials.

Keel en

Asendab EVS-EN ISO 8662-10:1999

**EVS-EN ISO 28927-8:2010**

Hind 188,00

Identne EN ISO 28927-8:2009

ja identne ISO 28927-8:2009

**Kantavad käeshoitavad ajamiga tööriistad.****Katsemeetodid vibratsiooni mõõtmiseks. Osa 8:****Edasi-tagasi liikuva tööorganiga saed ja viilid ning võnkuva või pöörleva tööorganiga saed**

This part of ISO 28927 specifies a laboratory method for measuring hand-transmitted vibration emission at the handles of hand-held, power-driven saws, polishing and filing machines with reciprocating action and small saws with oscillating or rotating action. It is a type-test procedure for establishing the magnitude of vibration in the gripping areas of a machine run under specified test conditions. It is intended that the results be used to compare different models of the same type of machine. This part of ISO 28927 is applicable to reciprocating files intended for surface finishing equipped with a file or polishing tool, saws intended for parting sheets, plaster for medical use or wood, or equipped with a saw blade for use on all kinds of materials, and small circular saws primarily intended for cutting metal or composite materials (see Clause 5), whether driven pneumatically or by other means. It is not applicable to files that are normally used with one hand on the file blade, nor to large circular saws intended for cutting wood.

Keel en

Asendab EVS-EN ISO 8662-12:1999

**EVS-EN ISO 28927-9:2010**

Hind 166,00

Identne EN ISO 28927-9:2009

ja identne ISO 28927-9:2009

**Kantavad käeshoitavad ajamiga tööriistad.****Katsemeetodid vibratsiooni mõõtmiseks. Osa 9:****Kivitöötlemisseadmed ja piikpuhastusvasarad**

This part of ISO 28927 specifies a laboratory method for measuring hand-transmitted vibration emission at the handles of hand-held, power-driven scaling hammers and needle scalars. It is a type-test procedure for establishing the magnitude of vibration in the gripping areas of a machine run under specified test conditions. It is intended that the results be used to compare different models of the same type of machine. This part of ISO 28927 is applicable to engraving pens, scabblers, scaling hammers and needle scalars (see Clause 5), driven pneumatically or by other means, intended for paint, rust or scale removal with reciprocating work tools or needles and for all kinds of materials.

Keel en

Asendab EVS-EN ISO 8662-14:1999

**ASENDATUD VÕI TÜHISTATUD STANDARDID****EVS 1993-1-2:2003**

ja identne EVS 1993-1-2:2003

**Teraskonstruksioonid. Osa 1-2: Tulepüsivus**

Standard käsitleb teraskonstruksioonide arvutust tulekahjust põhjustatud avariilukorras ning seda tuleb kasutada koos standarditega EVS 1993-1-1 ja EVS-EN 1991-1-2. Standardis käsitletakse ainult erinevusi või täiendusi keskkonna normaaltemperatuuril sooritatavate arvutuste juurde.

Keel et

Asendatud EVS-EN 1993-1-2:2006; EVS-EN 1993-1-2:2006+NA:2007; EVS-EN 1993-1-2/NA:2007

**EVS 1995-1-2:2003**

ja identne EVS 1995-1-2:2003

**Puitkonstruktsioonid. Osa 1-2: Tulepüsimine**

Standard käsitleb puitkonstruktsioonide projekteerimist tulekahjuolukorras. Standard käsitleb ainult tuleohutuse passiivseid meetodeid. Aktiivse tuleohutuse meetodeid käsitletud ei ole.

Keel et

Asendatud EVS-EN 1995-1-2:2005; EVS-EN 1995-1-2:2005+NA:2006

**EVS/TS 1992-1-2:2006****BETONKONSTRUKTSIOONID. Osa 1-2:****Tulepüsimisarvutus**

EVS/TS 1992-1-2 käsitleb betoonkonstruktsioonide arvutamist tulekahjukoormustega ja kasutada tuleb seda koos EVS 1992-1-1 ja EVS-EN 1991-1-2-ga. Käesolev dokument esitab täiendusi ja erinevusi konstruktsioonide arvutamisest normaaltemperatuuril. Osa I-2 käsitleb ainult passiivseid konstruktsioonilisi (ehituslikke) tulekaitsemeetodeid. Aktiivseid tulekaitsemeetodeid ei käsitleta. Osa I-2 on rakendatav konstruktsioonidele, mis üldise tuleohutuse tagamiseks peavad täitma järgmisi nõudeid: -vältima konstruktsiooni enneaegset varisemist, -tõkestama tulekahju levikut (leegid, kuum gaas, äärmuslik kuumus) väljapoole kindlaksmääratud ala (eraldusfunktsioon). Osa 1-2 annab eeskirjad ja rakendusjuhised (vt EVS 1992-1-1 jaotis I.2) jaotises (3) toodud nõuete täitmiseks konstruktsioonide projekteerimisel (väljendub nt nõutavas standardtulepüsimises). Osa 1-2 rakendub konstruktsioonidele või nende osadele, mis kuuluvad EVS 1992 osade 1-1 ja 1-3 kuni 1-6 kasutusvaldkonda. Ei rakendu: -välise pingearmatuuriga konstruktsioonidele, -koorikkonstruktsioonidele.

Keel et

Asendatud EVS-EN 1992-1-2:2005; EVS-EN 1992-1-2:2005+NA:2008; EVS-EN 1992-1-2/NA:2008

**EVS-EN 3-6:1998**

Identne EN 3-6:1995

**Kantavad tulekustutid. Osa 6: Kantavate tulekustutite nõuetekohasuse tõendamise reeglid EN 3 osade 1-5 alusel**

Käesolev standard sätestab kantavate tulekustutite nõuetekohasuse tõendamise üldpõhimõtted standardite EN 3-1, EN 3-2, EN 3-3, EN 3-4 ja EN 3-5 alusel. Standard sätestab valmistamise käigus kasutatavate tüübikatsete ja kontrolli meetodid.

Keel et

Asendatud EVS-EN 3-10:2010

**EVS-EN 3-6:1998/A1:1999**

Identne EN 3-6:1995/A1:1999

**Kantavad tulekustutid. Osa 6: Kantavate tulekustutite nõuetekohasuse tõendamise reeglid EN 3 osade 1-5 alusel. Muudatus 1**

Amendment EN 3-6:1995/prA1 to EN 3-6:1995 with the following scope: This standard establishes general principles for attesting the conformity of portable fire extinguishers to EN 3-1, EN 3-2, EN 3-3, EN 3-4, EN 3-5. It specifies methods for type testing and control during manufacture. The attestation of conformity may allow the manufacturer to request certification of his product from an accredited certification body.

Keel et

Asendatud EVS-EN 3-10:2010

**EVS-EN 207:1999**

Identne EN 207:1998

**Isiklikud silmakaitsevahendid. Filtrid ja silmakaitse (lasersilmakaitse) kaitseks laserkiirguse eest**

Käesolev Euroopa standard kehtib vastavalt normdokumendi EN 60825 - 1:1994 määratlusele laserikiirguse eest kaitsvate silmakaitsevahendite kohta (s.t. LED (valgusdiodi) kiirgus kaasa arvatud) spektraalvahemikus 180 nm (0,18 µm) kuni 1000 µm. Standard määratleb nõuded, testimismeetodid ja märgistuse. Valiku- ja kasutusjuhised on esitatud lisas B. Normdokument EN 208 kehtib silmakaitsevahendite kohta laserite reguleerimisel.

Keel en

Asendatud EVS-EN 207:2010

**EVS-EN 207:1999/A1:2002**

Identne EN 207:1998/A1:2002+AC:2004

**Isiklikud silmakaitsevahendid. Filtrid ja silmakaitse (lasersilmakaitse) kaitseks laserkiirguse eest**

Käesolev Euroopa standard kehtib vastavalt normdokumendi EN 60825 - 1:1994 määratlusele laserikiirguse eest kaitsvate silmakaitsevahendite kohta (s.t. LED (valgusdiodi) kiirgus kaasa arvatud) spektraalvahemikus 180 nm (0,18 µm) kuni 1000 µm. Standard määratleb nõuded, testimismeetodid ja märgistuse. Valiku- ja kasutusjuhised on esitatud lisas B. Normdokument EN 208 kehtib silmakaitsevahendite kohta laserite reguleerimisel.

Keel en

Asendatud EVS-EN 207:2010

**EVS-EN 208:1999**

Identne EN 208:1998

**Isiklikud silmakaitsevahendid. Laserite ja lasersüsteemide justeerimisel kasutatavad silmakaitsevahendid (laserite justeerimise silmakaitsevahendid)**

Käesolev Euroopa standard kehtib laserite reguleerimisel kasutatavate silmakaitsevahendite kohta. Nendeks on normdokumendi EN 60825 - 1:1994 määratluse kohaselt filtrid ja silmakaitsevahendid, mida kasutatakse laserite ja lasersüsteemide reguleerimisel (s.t. LED (valgusdiodi) kiirgus kaasa arvatud). Standard hõlmab nähtava spektri vahemikus 400 nm kuni 700 nm esinevat kiirgust. Käesolevas standardis esitatud filtrid vähendavad seda kiirgust 2. klassi laseritele ette nähtud väärtusteni (või CW (pidevtoimelaserite) korral 1 mW-ni). Sel juhul aitavad silmi kaitsta ka ärrituvusreaktsioonid, kaasa arvatud pilgutusrefleks. Käesolev standard määrab kindlaks tehnilised andmed, testimismeetodid ja märgistuse. Valiku- ja kasutusjuhised on esitatud lisas B.

Keel en

Asendatud EVS-EN 208:2010

### **EVS-EN 208:1999/A1:2002**

Identne EN 208:1998/A1:2002

#### **Isiklikud silmakaitsevahendid. Laserite ja lasersüsteemide justeerimisel kasutatavad silmakaitsevahendid (laserite justeerimise silmakaitsevahendid)**

Käesolev Euroopa standard kehtib laserite reguleerimisel kasutatavate silmakaitsevahendite kohta. Nendeks on normdokumendi EN 60825 - 1:1994 määratluse kohaselt filtrid ja silmakaitsevahendid, mida kasutatakse laserite ja lasersüsteemide reguleerimisel (s.t. LED (valgusdiodi) kiirgus kaasa arvatud). Standard hõlmab nähtava spektri vahemikus 400 nm kuni 700 nm esinevat kiirgust. Käesolevas standardis esitatud filtrid vähendavad seda kiirgust 2. klassi laseritele ette nähtud väärtusteni (või CW (pidevtoimelaserite) korral 1 mW-ni). Sel juhul aitavad silmi kaitsta ka ärrituvusreaktsioonid, kaasa arvatud pilgutusrefleks. Käesolev standard määrab kindlaks tehnilised andmed, testimismeetodid ja märgistuse. Valiku- ja kasutusjuhised on esitatud lisas B.

Keel en

Asendatud EVS-EN 208:2010

### **EVS-EN 420:2006**

Identne EN 420:2003+AC:2006

#### **Kaitsekindad. Üldnõuded ja katsemeetodid**

Standard määratleb kõigi kaitsekinnaste kujunduse ja konstruktsiooni, kindamaterjalide veepidavuse, kahjutuse, mugavuse ja efektiivsuse, tähistamise ja tootja informatsiooni osas kehtivad üldnõuded.

Keel et

Asendab EVS-EN 420:2003

Asendatud EVS-EN 420:2003+A1:2010

### **EVS-EN 420:2006/AC:2006**

Identne EN 420:2003/AC:2006

#### **Kaitsekindad. Üldnõuded ja katsemeetodid**

Keel en

Asendatud EVS-EN 420:2003+A1:2010

### **EVS-EN 14404:2005**

Identne EN 14404:2004

#### **Isikukaitsevahendid. Põlvekaitsed põlviliasendis töötamiseks**

This draft standard specifies the requirements for knee protectors for use in a kneeling position. Requirements for the marking of knee protectors and the information to be supplied by the manufacturer are given. Test methods are described and performance levels are defined. The draft standard does not apply to knee protectors that are medical devices or are intended for sports

Keel en

Asendatud EVS-EN 14404:2004+A1:2010

### **EVS-EN 60335-2-30:2003**

Identne EN 60335-2-30:2003

ja identne IEC 60335-2-30:2002

#### **Majapidamis- ja muud taolised elektriseadmed.**

##### **Ohutus. Osa 2-30: Erinõuded ruumikütteseadmetele**

Applicable to the safety of electric room heaters, their rated voltage being not more than 250 V for single phase and 480 V for other appliances, for household and similar purposes. Appliances intended to be used by laymen in shops, in light industry and on farms, are also within the scope of this standard

Keel en

Asendab EVS-EN 60335-2-30:2001

Asendatud EVS-EN 60335-2-30:2010

### **EVS-EN 60335-2-30:2003/A1:2005**

Identne EN 60335-2-30:2003/A1:2004

ja identne IEC 60335-2-30:2002/A1:2004

#### **Majapidamis- ja muud taolised elektriseadmed.**

##### **Ohutus. Osa 2-30: Erinõuded ruumikütteseadmetele**

Applicable to the safety of electric room heaters, their rated voltage being not more than 250 V for single phase and 480 V for other appliances, for household and similar purposes. Appliances intended to be used by laymen in shops, in light industry and on farms, are also within the scope of this standard

Keel en

Asendatud EVS-EN 60335-2-30:2010

### **EVS-EN 60335-2-30:2003/A2:2007**

Identne EN 60335-2-30:2003/A2:2007

ja identne IEC 60335-2-30:2002/A2:2007

#### **Majapidamis- ja muud taolised elektriseadmed.**

##### **Ohutus. Osa 2-30: Erinõuded ruumikütteseadmetele**

Applicable to the safety of electric room heaters, their rated voltage being not more than 250 V for single phase and 480 V for other appliances, for household and similar purposes. Appliances intended to be used by laymen in shops, in light industry and on farms, are also within the scope of this standard

Keel en

Asendatud EVS-EN 60335-2-30:2010

### **EVS-EN ISO 8253-2:2001**

Identne EN ISO 8253-2:1998

ja identne ISO 8253-2:1992

#### **Akustika - Audiomeetrilised katsemeetodid - Osa 2: Heliväljaaudiomeetria puhastooni ja kitsaribaliste kontrollsignaalidega**

Standard määrab kindlaks kontrollsignaali olulised karakteristikud, helivälja nõuded ja toimimisviisid heliväljaaudiomeetria jaoks, kus kasutatakse puhastoone, moduleeritud toone ja teisi kitsaribalisi kontrollsignaale, mida edastab üks valjuhääldi või mitu, et määrata eelkõige kuuldeläve tasemed sagedusalas 125 - 8000 (12 500) Hz.

Keel en

Asendatud EVS-EN ISO 8253-2:2010

### **EVS-EN ISO 8662-4:1999**

Identne EN ISO 8662-4:1995

ja identne ISO 8662-4:1994

#### **Kantavad käeshoitavad ajamiga tööriistad.**

##### **Vibratsiooni mõõtmine käepidemel. Osa 4:**

##### **Lihvseadmed**

See standard esitab laborimeetodi vibratsiooni mõõtmiseks käeshoitavate ajamiga lihvseadmete käepidemel. See on tüüpkatse protseduur, milles määratakse kindlaks vibratsiooni tugevus spetsiaalse teimikettaga tööriista käepidemel.

Keel en

Asendatud EVS-EN ISO 28927-1:2010

**EVS-EN ISO 8662-6:1999**

Identne EN ISO 8662-6:1995

ja identne ISO 8662-6:1994

**Kantavad käeshoitavad ajamiga tööriistad.****Vibratsiooni mõõtmine käepidemel. Osa 6: Lööktrellid**

This part of ISO 12966 specifies a rapid base-catalysed transesterification method for fats and oils with trimethylsulfonium hydroxide (TMSH) to prepare fatty acid methyl esters. The method is exclusively applicable to the preparation of methyl esters of fats and oils for gas liquid chromatographic (GLC) analysis. It is applicable to all fats and oils including milk fat and blends containing milk fat. Isomerization of unsaturated fatty acids only occurs to a minor extent and isomerized fatty acids are only present at the determination limit. As isomerization takes place, the procedure is not recommended for conjugated linoleic acid (CLA). As CLA is not correctly analysed, this method is not applicable to the determination of the complete fatty acid composition of milk fat samples.

Keel en

Asendatud EVS-EN ISO 28927-5:2010

**EVS-EN ISO 8662-7:1999**

Identne EN ISO 8662-7:1997

ja identne ISO 8662-7:1997

**Kantavad käeshoitavad ajamiga tööriistad.****Vibratsiooni mõõtmine käepidemel. Osa 7:****Mutrivõtmed, kruvitsad ja löök-, impulss- või pörktoimega mutrikeerikud**

See standard esitab laborimeetodi vibratsiooni mõõtmiseks mutrivõtmete, kruvitsate ja löök-, impulss-, katke- või pörktoimega mutrikeerikute käepidemel.

Keel en

Asendatud EVS-EN ISO 28927-2:2010

**EVS-EN ISO 8662-8:1999**

Identne EN ISO 8662-8:1997

ja identne ISO 8662-8:1997

**Kantavad käeshoitavad ajamiga tööriistad.****Vibratsiooni mõõtmine käepidemel. Osa 8:****Poleerseadmed ning pöörlevad, tald- ning ekstsentriklihvmasinad**

See standard esitab laborimeetodi vibratsiooni mõõtmiseks käeshoitava pneumoajamiga poleerseadmete, pöörlevate, tald- või ekstsentriklihvmasinate käepidemel.

Keel en

Asendatud EVS-EN ISO 28927-3:2010

**EVS-EN ISO 8662-9:1999**

Identne EN ISO 8662-9:1996

ja identne ISO 8662-9:1996

**Kantavad käeshoitavad ajamiga tööriistad.****Vibratsiooni mõõtmine käepidemel. Osa 9: Rammid**

See standard esitab tüüpkatsetustel ja võrdlusotstarbel kasutatava laborimeetodi vibratsiooni mõõtmiseks käeshoitavate ajamiga rammide käepidemel.

Keel en

Asendatud EVS-EN ISO 28927-6:2010

**EVS-EN ISO 8662-10:1999**

Identne EN ISO 8662-10:1998 + AC:2002

ja identne ISO 8662-10:1998

**Kantavad käeshoitavad ajamiga tööriistad.****Vibratsiooni mõõtmine käepidemel. Osa 10:****Plekikäärid ja -löikurid**

See standard esitab laborimeetodi vibratsiooni mõõtmiseks käeshoitavate pneumoajamiga plekikääride ja -löikurite käepidemel.

Keel en

Asendatud EVS-EN ISO 28927-7:2010

**EVS-EN ISO 8662-12:1999**

Identne EN ISO 8662-12:1997

ja identne ISO 8662-12:1997

**Kantavad käeshoitavad ajamiga tööriistad.****Vibratsiooni mõõtmine käepidemel. Osa 12: Edasi-tagasi liikuva tööorganiga saed ja viilid ning võnkuva või pöörleva tööorganiga saed**

See standard esitab laborimeetodi vibratsiooni mõõtmiseks käeshoitavate edasi-tagasi liikuva, pöörleva või võnkuva tööorganiga pneumosaagide või edasi-tagasi liikuva tööorganiga viilide käepidemel.

Keel en

Asendatud EVS-EN ISO 28927-8:2010

**EVS-EN ISO 8662-14:1999**

Identne EN ISO 8662-14:1996

ja identne ISO 8662-14:1996

**Kantavad käeshoitavad ajamiga tööriistad.****Vibratsiooni mõõtmine käepidemel. Osa 14:****Kivitöötlemisseadmed ja piikpuhastusvasarad**

See standard esitab tüüpkatsetustel ja võrdlusotstarbel kasutatava laborimeetodi vibratsiooni mõõtmiseks käeshoitavate ajamiga kivitöötlemisseadmete ja piikpuhastusvasarate käepidemel.

Keel en

Asendatud EVS-EN ISO 28927-9:2010

**KAVANDITE ARVAMUSKÜSITLUS****FprEN 13823**

Identne FprEN 13823:2009

Tähtaeg 29.04.2010

**Ehitustoodete tuletundlikkuse katsed. Ehitustoodete, v.a põrandakatted, termiline mõjutamine üksiku põleva objekti poolt**

This European Standard specifies a method of test for determining the reaction to fire performance of construction products excluding floorings, and excluding products which are indicated in Table 1 of the EC Decision 2000/147/EC, when exposed to thermal attack by a single burning item (SBI). The calculation procedures are given in Annex A. Information on the precision of the test method is given in Annex B. The calibration procedures are given in Annexes C and D, of which C is a normative annex.

Keel en

Asendab EVS-EN 13823:2007



**prEN 1839**

Identne prEN 1839:2009

Tähtaeg 29.04.2010

**Gaaside ja aurude plahvatuspiiride kindlaksmääramine**

This European Standard specifies two test methods (method T and method B) to determine the explosion limits of gases, vapours and their mixtures, mixed with air. An air/inert gas mixture (volume fraction of the oxygen < 21 %) can be used as the oxidizer instead of air. In this standard the term "air" includes such air/inert mixtures. This European Standard applies to gases, vapours and their mixtures at atmospheric pressure and at temperatures from ambient temperature to 200 °C.

Keel en

Asendab EVS-EN 1839:2003

**prEN 13071-3**

Identne prEN 13071-3:2010

Tähtaeg 29.04.2010

**Stationary waste containers up to 5 000 l, top lifted and bottom emptied - Part 3: Recommended lifting connections**

This European Standard covers the requirements for the container lifting connections to be used during the loading and unloading operations of the containers top lifted and bottom emptied.

Keel en

**prEN 16039**

Identne prEN 16039:2010

Tähtaeg 29.04.2010

**Water quality - Guidance standard on assessing the hydromorphological features of lakes**

This document is applicable to lakes with surface areas greater than 1 ha (0,01 km<sup>2</sup>) and maximum depths (at mean water level) greater than 1 m. All types of permanent lakes, including natural, modified and artificial, freshwater and brackish, except for those systems which regularly connect to the sea, are included in this European Standard, though canals are excluded. Based on these criteria it can be estimated that there are at least 500,000 natural lakes across Europe, most of which are located in the glaciated landscapes in northern and western provinces and in Scandinavia. Lakeland districts also occur locally in areas such as the Danubian plain and around the Alps. Elsewhere naturally occurring lakes are relatively sparse and in such areas reservoirs or pits are more common.

Keel en

**prEN ISO 9094**

Identne prEN ISO 9094:2010

ja identne ISO/DIS 9094:2010

Tähtaeg 29.04.2010

**Väikelaevad. Tulekaitse.**

This International Standard defines a practical degree of fire prevention and protection intended to provide enough time for crew to escape a fire on board small craft. The standard specifies minimum requirements for craft layout, the installation of craft systems, fire fighting and escape and provides guidance on fire detection. It is intended to apply to small craft with a hull length, LH, not exceeding 24 m. Personal watercrafts are excluded from the scope of this standard.

Keel en

Asendab EVS-EN ISO 9094-1:2003; EVS-EN ISO 9094-2:2003

**prEN ISO 10882-1**

Identne prEN ISO 10882-1:2009

ja identne ISO/DIS 10882-1:2009

Tähtaeg 29.04.2010

**Health and safety in welding and allied processes - Sampling of airborne particles and gases in the operator's breathing zone - Part 1: Sampling of airborne particles**

This Part of ISO 10882 specifies a procedure for personal sampling of airborne particles from welding and allied processes. It also specifies a procedure for gravimetric determination of personal exposure to airborne particles in the operator's breathing zone and provides references to suitable methods, described in other standards, on the use of chemical analysis to determine personal exposure to specific chemical agents present in welding fume and other airborne particles generated by welding related operations. The general background level of airborne particles in the workplace atmosphere influences personal exposure and therefore the role of fixed point sampling is also considered.

Keel en

Asendab EVS-EN ISO 10882-1:2001

**prEN ISO 15011-5**

Identne prEN ISO 15011-5:2009

ja identne ISO/DIS 15011-5:2009

Tähtaeg 29.04.2010

**Health and safety in welding and allied processes - Laboratory method for sampling fume and gases - Part 5: Identification of thermal-degradation products generated when welding or cutting through products composed wholly or partly of organic materials using pyrolysis-gas**

This standard specifies procedures for obtaining information about thermal degradation products generated when welding, cutting through, preheating and straightening metal treated with coatings composed wholly or partly of organic substances, e.g. shop primers, paints, oils, waxes and inter-weld materials such as adhesives and sealants. It is aimed primarily at test laboratories performing such procedures. The data generated can be used by coating manufacturers to provide information for inclusion in safety data sheets and by occupational hygienists to identify thermal degradation products of significance in the performance of risk assessments and/or workplace exposure measurements. The data cannot be used to estimate workplace exposure directly. This standard is applicable to all coatings composed partly or wholly of organic materials that could be heated, during welding and cutting, preheating and straightening to temperatures at which thermal degradation products are generated and where it is not apparent what those degradation products will be.

Keel en

Asendab CEN ISO/TS 15011-5:2006

## 17 METROLOOGIA JA MÕÖTMINE. FÜÜSIKALISED NÄHTUSED

### UUED STANDARDID JA PUBLIKATSIOONID

#### **EVS-EN 60318-1:2010**

Hind 188,00

Identne EN 60318-1:2009

ja identne IEC 60318-1:2009

#### **Electroacoustics - Simulators of human head and ear -- Part 1: Ear simulator for the calibration of supra-aural and circumaural earphones**

This part of IEC 60318 specifies an ear simulator for the measurement of supra-aural and circumaural earphones (used for example in audiometry and telephonometry) applied to the ear without acoustical leakage, in the frequency range from 20 Hz to 10 kHz. The same device can be used as an acoustic coupler at additional frequencies up to 16 kHz.

Keel en

Asendab EVS-EN 60318-1:2002; EVS-EN 60318-2:2002

#### **EVS-EN 60626-2:2010**

Hind 124,00

Identne EN 60626-2:2009

ja identne IEC 60626-2:2009

#### **Combined flexible materials for electrical insulation - Part 2: Methods of test**

This International Standard provides the test methods for combined flexible materials for electrical insulation. Some properties and relevant test methods, according to the performance requirements of IEC 60626-3, were confirmed. Other test methods are described as a supplement of guidance for further specification that could be agreed between customer and supplier to meet specific needs of the end use. Materials which conform to this specification meet established levels of performance. However, the selection of material by a user for a specific application should be based on the actual requirements necessary for adequate performance in that application and not based on this specification alone. **SAFETY WARNING** It is the responsibility of the user of the methods contained or referred to in this document to ensure that they are used in a safe manner.

Keel en

Asendab EVS-EN 60626-2:2006

#### **EVS-EN 60645-6:2010**

Hind 155,00

Identne EN 60645-6:2010

ja identne IEC 60645-6:2009

#### **Electroacoustics - Audiometric equipment - Part 6: Instruments for the measurement of otoacoustic emissions**

This part of IEC 60645 applies to instruments designed primarily for the measurement of otoacoustic emissions in the human external acoustic meatus evoked by acoustic probe pulses or tones. This standard defines the characteristics to be specified by the manufacturer, lays down performance specifications for two types of instruments<sup>1</sup> and specifies the functions to be provided on these types. This part of IEC 60645 describes methods of test to be used for approval testing and guidance on methods for undertaking routine calibration. The purpose of this part of IEC 60645 is to ensure that measurements made under comparable test conditions with different instruments complying with the standard will be consistent. Instruments which provide a measurement function not specifically within the scope of the standard shall still comply with any relevant requirements. This standard is not intended to restrict development or incorporation of new features, nor to discourage innovative approaches.

Keel en

#### **EVS-EN 60645-7:2010**

Hind 135,00

Identne EN 60645-7:2010

ja identne IEC 60645-7:2009

#### **Electroacoustics - Audiometric equipment - Part 7: Instruments for the measurement of auditory brainstem responses**

This part of IEC 60645 applies to instruments designed for the measurement of auditory evoked potentials from the inner ear, the auditory nerve and the brainstem, evoked by acoustic and/or vibratory stimuli of short duration. This part of IEC 60645 defines the characteristics to be specified by the manufacturer, specifies performance requirements for two types of instrument, screening and diagnostic, and specifies the functions to be provided on these types. The purpose of this part of IEC 60645 is to ensure that measurements made under comparable test conditions with different instruments complying with this standard will be consistent. This part of IEC 60645 is not intended to restrict development or incorporation of new features, nor to discourage innovative approaches. The application of electric stimuli for special purposes is beyond the scope of this standard.

Keel en

**EVS-EN 62110:2010**

Hind 256,00

Identne EN 62110:2009

ja identne IEC 62110:2009

**Electric and magnetic field levels generated by AC power systems - Measurement procedures with regard to public exposure**

This International Standard establishes measurement procedures for electric and magnetic field levels generated by AC power systems to evaluate the exposure levels of the human body to these fields. This standard is not applicable to DC power transmission systems. This International Standard is applicable to public exposure in the domestic environment and in areas accessible to the public. This standard specifies fundamental procedures for the measurement of fields, and, with regard to human exposure, for obtaining a field value that corresponds to a spatial average over the entire human body. This standard is not applicable to occupational exposure associated with, for example, the operation and/or maintenance of the power systems. Such exposure may occur when working inside a distribution or transmission substation, a power plant, in a manhole or a tunnel for underground cables, or on an overhead line tower or pole.

Keel en

**EVS-EN ISO 10360-2:2010**

Hind 198,00

Identne EN ISO 10360-2:2009

ja identne ISO 10360-2:2009

**Geometrical Product Specifications (GPS) - Acceptance and reverification tests for coordinate measuring machines (CMM) - Part 2: CMMs used for measuring linear dimensions**

This part of ISO 10360 specifies the acceptance tests for verifying the performance of a coordinate measuring machine (CMM) used for measuring linear dimensions as stated by the manufacturer. It also specifies the reverification tests that enable the user to periodically reverify the performance of the CMM. The acceptance and reverification tests given in this part of ISO 10360 are applicable only to Cartesian CMMs using contacting probing systems of any type operating in the discrete-point probing mode. This part of ISO 10360 does not explicitly apply to: - non-Cartesian CMMs; however, parties may apply this part of ISO 10360 to non-Cartesian CMMs by mutual agreement; - CMMs using optical probing; however, parties may apply this approach to optical CMMs by mutual agreement. This part of ISO 10360 specifies performance requirements that can be assigned by the manufacturer or the user of a CMM, the manner of execution of the acceptance and reverification tests to demonstrate the stated requirements, rules for proving conformance, and applications for which the acceptance and reverification tests can be used.

Keel en

Asendab EVS-EN ISO 10360-2:2002

**EVS-EN ISO 13473-5:2010**

Hind 198,00

Identne EN ISO 13473-5:2009

ja identne ISO 13473-5:2009

**Characterization of pavement texture by use of surface profiles - Part 5: Determination of megatexture**

This part of ISO 13473 specifies procedures for determining the average depth or level of pavement surface megatexture by measuring the profile curve of a surface and calculating megatexture descriptors from this profile. The technique is designed to give meaningful and accurate measurements and descriptions of pavement megatexture characteristics for various purposes. Since there is an overlap between megatexture and the surrounding ranges, the megatexture descriptors unavoidably have a certain correlation with corresponding measures in those ranges. This part of ISO 13473 specifies measurements and procedures which are in relevant parts compatible with those in ISO 13473-1, ISO 8608[1] and EN 13036-5[6].

Keel en

**ASENDATUD VÕI TÜHISTATUD STANDARDID****EVS 733:1997**

ja identne EVS 733:1997

**Füüsikaliste suuruste mõõtühikud, nende nimetused ja tähised**

Standard käsitleb füüsikaliste suuruste mõõtühikuid, nende nimetusi, tähiseid, kord- ja osaühikute moodustamise reegleid ning kirjaviisi füüsikaliste suuruste väärtuste esitamisel.

Keel et

**EVS-EN 60318-2:2002**

Identne EN 60318-2:1998

ja identne IEC 60318-2:1998

**Electroacoustics - Simulators of human head and ear - Part 2: An interim acoustic coupler for the calibration of audiometric earphones in the extended high-frequency range**

This part of IEC 60318 specifies two different adapters and the removable conical ring to be used with the IEC 60318-1 ear simulator to provide an interim acoustic coupler for the calibration of certain audiometric earphones designed for use in the extended high frequency range from 8 kHz up to 16 kHz. Environmental conditions for the calibration and use of the coupler are given in IEC 60318-1.

Keel en

Asendatud EVS-EN 60318-1:2010

**EVS-EN 60318-1:2002**

Identne EN 60318-1:1998

ja identne IEC 60318-1:1998

**Electroacoustics - Simulators of human head and ear - Part 1: Ear simulator for the calibration of supra-aural earphones**

This International Standard relates to the specification of an ear simulator which covers the frequency band 20 Hz to 10000 Hz and is intended for calibrating supra-aural earphones used in audiometry and telephonometry applied to the ear without acoustical leakage. This device is not intended for the calibration of circumaural earphones.

Keel en

Asendatud EVS-EN 60318-1:2010

## **EVS-EN 60626-2:2006**

Identne EN 60626-2:1995

ja identne IEC 60626-2:1995

### **Combined flexible materials for electrical insulation - Part 2: Methods of test**

Deals with the tests applicable to combined materials constituted by plastic films and/or fibrous materials such as papers, woven or non-woven fabrics, impregnated or not impregnated

Keel en

Asendatud EVS-EN 60626-2:2010

## **EVS-EN ISO 10360-2:2002**

Identne EN ISO 10360-2:2001

ja identne ISO 10360-2:2001

### **Geometrical Product Specifications (GPS) - Acceptance and reverification tests for coordinate measuring machines (CMM) - Part 2: CMMs used for measuring size**

This part of EN ISO 10360 specifies the acceptance test for verifying that the performance of a CMM used for measuring size is as stated by manufacturer.

Keel en

Asendab EVS-EN ISO 10360-2:1999

Asendatud EVS-EN ISO 10360-2:2010

## **EVS-ISO/IEC Guide 99:2008**

ja identne ISO/IEC Guide 99:2007

### **International vocabulary of metrology — Basic and general concepts and associated terms (VIM)**

In this Vocabulary, a set of definitions and associated terms is given, in English and French, for a system of basic and general concepts used in metrology, together with concept diagrams to demonstrate their relations. Additional information is given in the form of examples and notes under many definitions. This Vocabulary is meant to be a common reference for scientists and engineers — including physicists, chemists, medical scientists — as well as for both teachers and practitioners involved in planning or performing measurements, irrespective of the level of measurement uncertainty and irrespective of the field of application. It is also meant to be a reference for governmental and intergovernmental bodies, trade associations, accreditation bodies, regulators, and professional societies. Concepts used in different approaches to describing measurement are presented together. The member organizations of the JCGM can select the concepts and definitions in accordance with their respective terminologies. Nevertheless, this Vocabulary is intended to promote global harmonization of terminology used in metrology.

Keel en

## **KAVANDITE ARVAMUSKÜSITLUS**

### **FprEN ISO 286-2**

Identne FprEN ISO 286-2:2010

ja identne ISO/FDIS 286-2:2010

Tähtaeg 29.04.2010

### **Geometrical product specifications (GPS) - ISO code system for tolerances on linear sizes - Part 2: Tables of standard tolerance grades and limit deviations for holes and shafts**

This part of ISO 286 gives values of the limit deviations for commonly used tolerance classes for holes and shafts calculated from the tables given in ISO 286-1.

This part of ISO 286 covers values for the upper limit deviations  $e_U$ , hole (for holes) and  $e_U$ , shaft (for shafts), and the lower limit deviations  $e_L$ , hole (for holes) and  $e_L$ , shaft (for shafts) (see Figures 1 and 2).

Keel en

Asendab EVS-EN 20286-2:1999

## **19 KATSETAMINE**

### **UUED STANDARDID JA PUBLIKATSIOONID**

#### **EVS-EN 15856:2010**

Hind 114,00

Identne EN 15856:2010

#### **Non-destructive testing - Acoustic emission - General principles of AE testing for the detection of corrosion within metallic surrounding filled with liquid**

This European Standard describes acoustic emission testing (AT) on metallic surroundings filled with liquids for the detection of corrosion processes that are active at the time of the test. It is applicable to metallic storage tanks, such as those used in the chemical and petrochemical industry. The results provide a qualitative statement regarding the condition of the test object and a recommendation regarding the maximum allowable duration of the follow-on service period, based on the AT indications and additional information in order to characterize the AT indications. In the case of flat bottomed storage tanks (FBST) the procedure described within this standard provides testing of the complete bottom, the tank shell up to the filling height and in case of a floating roof tank also the roof sheets in contact with the stored liquid. As for every application of acoustic emission testing, the measured data contain information regarding active sources. An ongoing corrosion process, such as general corrosion and localized corrosion defined in EN ISO 8044, leading to progressive loss of wall thickness will be detected. A corrosion process which has stopped does not produce acoustic emission and will therefore not be detected at the time of test.

Keel en

**EVS-EN 15857:2010**

Hind 229,00

Identne EN 15857:2010

**Non-destructive testing - Acoustic emission - Testing of fibre-reinforced polymers - Specific methodology and general evaluation criteria**

This European Standard describes the general principles of acoustic emission (AE) testing of materials, components and structures made of FRP with the aim of: - materials characterisation; - proof testing/manufacturing quality control; - retesting/in-service inspection; - health monitoring. When AE testing is used to assess the integrity of FRP materials, components or structures or identify critical zones of high damage accumulation or damage growth under load this standard further describes the specific methodology (e.g. suitable instrumentation, typical sensor arrangements, location procedures, etc.). It also describes available, generally applicable evaluation criteria for AE testing of FRP and outlines procedures for establishing such evaluation criteria in case they are lacking.

Keel en

**EVS-EN 60112:2003/A1:2010**

Hind 80,00

Identne EN 60112:2003/A1:2009

ja identne IEC 60112:2003/A1:2009

**Method for the determination of the proof and the comparative tracking indices of solid insulating materials**

Specifies the method of test for the determination of the proof and comparative tracking indices of solid insulating materials on pieces taken from parts of equipment and on plaques of material using alternating voltages. The standard provides for the det

Keel en

**EVS-EN ISO 12706:2010**

Hind 114,00

Identne EN ISO 12706:2009

ja identne ISO 12706:2009

**Non-destructive testing - Penetrant testing - Vocabulary**

This International Standard defines technical terms relating to penetrant testing.

Keel en

Asendab EVS-EN 12706:2000

**ASENDATUD VÕI TÜHISTATUD STANDARDID****EVS-EN ISO 12706:2003**

Identne EN ISO 12706:2000

ja identne ISO 12706:2000

**Non-destructive testing - Terminology - Terms used in penetrant testing**

This standard consists of technical terms related to penetrant testing.

Keel en

Asendatud EVS-EN ISO 12706:2010

**21 ÜLDKASUTATAVAD MASINAD JA NENDE OSAD****UUED STANDARDID JA PUBLIKATSIOONID****EVS-EN 1515-4:2010**

Hind 155,00

Identne EN 1515-4:2009

**Äärikud ja nende ühendused. Kinnitus. Osa 4: Poldide ja mutrite valik surveseadmete direktiivi 97/23/EÜ käsitusallas**

This European Standard is applicable to the selection of bolting for equipment subject to the Pressure Equipment Directive 97/23/EC. It specifies standards and additional requirements for dimensions, materials and technical conditions of delivery for bolting. The bolting selection covered by this European Standard is regarded to be used for combination with flanges according to the series EN 1092 (PN designated flanges) and the series EN 1759 (Class designated flanges). The selection is based on commonly used materials, bolts and nuts. It covers temperature ranges of the general service of standard flanges (based on PN or Class).

Keel en

**EVS-EN 6069:2010**

Hind 105,00

Identne EN 6069:2009

**Aerospace series - Rivet, 100° reduced flush head, close tolerance - Inch series**

This European Standard specifies the dimensions, tolerances and mass of rivets with 100° reduced flush head, close tolerance, inch series, for aerospace application.

Keel en

**EVS-EN ISO 3506-1:2010**

Hind 198,00

Identne EN ISO 3506-1:2009

ja identne ISO 3506-1:2009

**Korrosioonikindlast roostevabast terasest kinnitusdetailide mehaanilised omadused. Osa 1: Poldid, kruvid ja tikkpoldid**

This part of ISO 3506 specifies the mechanical properties of bolts, screws and studs made of austenitic, martensitic and ferritic steel grades of corrosion-resistant stainless steels, when tested over an ambient temperature range of 10 °C to 35 °C. Properties vary at higher or lower temperatures. This part of ISO 3506 applies to bolts, screws and studs - with nominal thread diameter  $d \leq 39$  mm, - of triangular ISO metric threads with diameters and pitches in accordance with ISO 68-1, ISO 261 and ISO 262, and - of any shape. It does not apply to screws with special properties, such as weldability.

Keel en

Asendab EVS-EN ISO 3506-1:1999

## **EVS-EN ISO 3506-2:2010**

Hind 178,00

Identne EN ISO 3506-2:2009

ja identne ISO 3506-2:2009

### **Korrosioonikindlast roostevabast terasest kinnitusdetailide mehaanilised omadused. Osa 2: Mutrid**

This part of ISO 3506 specifies the mechanical properties of nuts made of austenitic, martensitic and ferritic steel grades of corrosion-resistant stainless steels, when tested over an ambient temperature range of 10 °C to 35 °C. Properties vary at higher or lower temperatures. This part of ISO 3506 applies to nuts: - with nominal thread diameter D u 39 mm; - of triangular ISO metric threads with diameters and pitches in accordance with ISO 68-1, ISO 261 and ISO 262; - of any shape; - with width across flats as specified in ISO 272; - with nominal heights m W 0,5D. It does not apply to nuts requiring properties such as - locking abilities, and - weldability.

Keel en

Asendab EVS-EN ISO 3506-2:1999

## **EVS-EN ISO 3506-3:2010**

Hind 155,00

Identne EN ISO 3506-3:2009

ja identne ISO 3506-3:2009

### **Korrosioonikindlast roostevabast terasest kinnitusdetailide mehaanilised omadused. Osa 3: Tõmbepingega koormamata seadekruvid ja samalaadsed kinnitusdetailid**

This part of ISO 3506 specifies the mechanical properties of set screws and similar fasteners not under tensile stress made of austenitic stainless steel, when tested over an ambient temperature range of 10 °C to 35 °C. Properties vary at higher or lower temperatures. This part of ISO 3506 applies to set screws and similar fasteners: - with nominal thread diameter 1,6 mm u d u 24 mm; - of triangular ISO metric threads with diameters and pitches in accordance with ISO 68-1, ISO 261 and ISO 262; - of any shape. It does not apply to screws with special properties, such as weldability.

Keel en

Asendab EVS-EN ISO 3506-3:1999

## **EVS-EN ISO 3506-4:2010**

Hind 155,00

Identne EN ISO 3506-4:2009

ja identne ISO 3506-4:2009

### **Mechanical properties of corrosion-resistant stainless steel fasteners - Part 4: Tapping screws**

This part of ISO 3506 specifies the mechanical properties of tapping screws made of austenitic, martensitic and ferritic steel grades of corrosion-resistant stainless steels, when tested over an ambient temperature range of 10 °C to 35 °C. Properties vary at higher or lower temperatures. It applies to tapping screws with threads from ST2,2 up to and including ST8, in accordance with ISO 1478. It does not apply to screws with special properties, such as weldability.

Keel en

Asendab EVS-EN ISO 3506-4:2004

## **ASENDATUD VÕI TÜHISTATUD STANDARDID**

### **EVS-EN ISO 3506-2:1999**

Identne EN ISO 3506-2:1997

ja identne ISO 3506-2:1997

### **Korrosioonikindlast roostevabast terasest kinnitusdetailide mehaanilised omadused. Osa 2: Mutrid**

See ISO 3506 osa määrab kindlaks korrosioonikindla roostevaba terase austeniit-, martensiit- või ferriitmarkidest tehtud mutrite mehaanilised omadused nende teimisel keskkonna temperatuuril 15 °C kuni 25 °C. Kõrgematel või madalamatel temperatuuridel võivad omadused muutuda.

Keel en

Asendatud EVS-EN ISO 3506-2:2010

### **EVS-EN ISO 3506-3:1999**

Identne EN ISO 3506-3:1997

ja identne ISO 3506-3:1997

### **Korrosioonikindlast roostevabast terasest kinnitusdetailide mehaanilised omadused. Osa 3: Tõmbepingega koormamata seadekruvid ja samalaadsed kinnitusdetailid**

See ISO 3506 osa määrab kindlaks roostevabast austeniit-terasest tehtud, tõmbepingega koormamata seadekruvide ja samalaadsete kinnitusdetailide mehaanilised omadused teimisel keskkonna temperatuuril 15 °C kuni 25 °C. Kõrgematel või madalamatel temperatuuridel võivad omadused muutuda.

Keel en

Asendatud EVS-EN ISO 3506-3:2010

### **EVS-EN ISO 3506-1:1999**

Identne EN ISO 3506-1:1997

ja identne ISO 3506-1:1997

### **Korrosioonikindlast roostevabast terasest kinnitusdetailide mehaanilised omadused. Osa 1: Poldid, kruvid ja tikkpoldid**

See ISO 3506 osa määrab kindlaks korrosioonikindla roostevaba terase austeniit-, martensiit- või ferriitmarkidest tehtud poltide, kruvide ja tikkpoldide mehaanilised omadused nende teimisel keskkonna temperatuuril 15 °C kuni 25 °C. Kõrgematel või madalamatel temperatuuridel võivad omadused muutuda.

Keel en

Asendatud EVS-EN ISO 3506-1:2010

### **EVS-EN ISO 3506-4:2004**

Identne EN ISO 3506-4:2003

ja identne ISO 3506-4:2003

### **Mechanical properties of corrosion-resistant stainless-steel fasteners - Part 4: Tapping screws**

This part of ISO 3506 specifies the mechanical properties of tapping screws made from austenitic, martensitic and ferritic grades of corrosion-resistant stainless steels when tested at an ambient temperature range of 15 °C to 25 °C. Properties vary between higher and lower temperatures.

Keel en

Asendatud EVS-EN ISO 3506-4:2010

## KAVANDITE ARVAMUSKÜSITLUS

### **FprEN 60684-3-205**

Identne FprEN 60684-3-205:2009

ja identne IEC 60684-3-205:200X

Tähtaeg 29.04.2010

#### **Flexible insulating sleeving - Part 3: Specifications for individual types of sleeving - Sheet 205: Heat-shrinkable chlorinated polyolefin sleeving, flame retarded, nominal shrink ratio 1,7:1 and 2:1**

This standard gives the requirements for one type of heat-shrinkable chlorinated polyolefin sleeving, flame retarded, nominal shrink ratio 1,7:1 and 2:1 for use at temperatures up to 120 °C: These sleeveings are normally supplied with internal diameters up to 102 mm, and the standard colour is black. Sizes or colours other than those specifically listed in this standard may be available as custom items. These items shall be considered to comply with this standard if they comply with the property requirements listed in Tables 3, 4 and 5 except for dimensions and mass and Table 6, as applicable. Materials which conform to this specification meet established levels of performance. However, the selection of a material by a user for a specific application should be based on the actual requirements necessary for adequate performance in that application and not based on this specification alone

Keel en

### **FprEN 60684-3-247**

Identne FprEN 60684-3-247:2009

ja identne IEC 60684-3-247:200X

Tähtaeg 29.04.2010

#### **Flexible insulating sleeving - Part 3: Specifications for individual types of sleeving - Sheet 247: Heat-shrinkable polyolefin sleeving, dual wall, not flame retarded**

This standard gives the requirements for two types of Heat-shrinkable, polyolefin sleeving, dual wall, not flame retarded with a nominal shrink ratio of 3:1. This sleeving has been found suitable for use at temperatures of up to 100 °C Type A : Medium wall internal diameter up to 200,0 mm typically Type B : Thick wall internal diameter up to 200,0 mm typically These sleeveings are normally supplied in colour black. Since these types of sleeveings cover a significantly large range of sizes and wall thicknesses, Annex A, Tables 5 and 6, in this document provides a guide to the range of sizes available. The actual size shall be agreed between the user and supplier. Materials which conform to this specification meet established levels of performance. However, the selection of a material by a user for a specific application should be based on the actual requirements necessary for adequate performance in that application and not based on this specification alone.

Keel en

### **prEN ISO 898-6**

Identne prEN ISO 898-6:2010

ja identne ISO/DIS 898-6:2010

Tähtaeg 29.04.2010

#### **Mechanical properties of fasteners made of carbon steel and alloy steel - Part 6: Nuts with specified proof load values - Fine pitch thread**

This part of ISO 898 specifies mechanical and physical properties of nuts with fine pitch thread made of carbon steel and alloy steel when tested at an ambient temperature range of 10 °C to 35 °C. Nuts conforming to the requirements of this standard are evaluated at that ambient temperature range. They may not retain the specified mechanical and physical properties at elevated and/or lower temperatures.

Keel en

Asendab EVS-EN ISO 898-6:1999

### **prEN ISO 898-2**

Identne prEN ISO 898-2:2010

ja identne ISO/DIS 898-2:2010

Tähtaeg 29.04.2010

#### **Mechanical properties of fasteners made of carbon steel and alloy steel - Part 2: Nuts with specified proof load values - Coarse thread**

This part of ISO 898 specifies mechanical and physical properties of nuts with coarse thread made of carbon steel and alloy steel when tested at an ambient temperature range of 10 °C to 35 °C. Nuts conforming to the requirements of this standard are evaluated at that ambient temperature range. They may not retain the specified mechanical and physical properties at elevated and/or lower temperatures.

Keel en

Asendab EVS-EN 20898-2:1999

## **23 ÜLDKASUTATAVAD HÜDRO- JA PNEUMOSÜSTEEMID JA NENDE OSAD**

### UUED STANDARDID JA PUBLIKATSIOONID

#### **EVS-EN 1515-4:2010**

Hind 155,00

Identne EN 1515-4:2009

#### **Äärikud ja nende ühendused. Kinnitus. Osa 4: Poldide ja mutrite valik surveseadmete direktiivi 97/23/EÜ käsitlusalas**

This European Standard is applicable to the selection of bolting for equipment subject to the Pressure Equipment Directive 97/23/EC. It specifies standards and additional requirements for dimensions, materials and technical conditions of delivery for bolting. The bolting selection covered by this European Standard is regarded to be used for combination with flanges according to the series EN 1092 (PN designated flanges) and the series EN 1759 (Class designated flanges). The selection is based on commonly used materials, bolts and nuts. It covers temperature ranges of the general service of standard flanges (based on PN or Class).

Keel en

**EVS-EN 12817:2010**

Hind 219,00

Identne EN 12817:2010

**Vedelgaasi seadmed ja lisavarustus. Maapealsete vedelgaasi mahutite mahuga kuni ja kaasaarvatud 13 m3 kontroll ja ümberkvalifitseerimine**

This European Standard specifies requirements for: a) routine inspection, periodic inspection and requalification of fixed LPG storage tanks of sizes from 150 l up to and including 13 m3, and associated fittings; b) marking tanks and/or keeping records, as appropriate, as a result of routine inspection, periodic inspection and requalification. This European Standard excludes refrigerated storage.

Keel en

Asendab EVS-EN 12818:2002; EVS-EN 12818:2002/A1:2006; EVS-EN 12817:2007

**EVS-EN ISO 1452-1:2010**

Hind 124,00

Identne EN ISO 1452-1:2009

ja identne ISO 1452-1:2009

**Plastics piping systems for water supply and for buried and above-ground drainage and sewerage under pressure - Unplasticized poly(vinyl chloride) (PVC-U) - Part 1: General**

This part of ISO 1452 specifies the general aspects of unplasticized poly(vinyl chloride) (PVC-U) solid-wall piping systems intended for water supply and for buried and above-ground drainage and sewerage under pressure. In conjunction with ISO 1452-2, ISO 1452-3, ISO 1452-4 and ISO 1452-5, it is applicable to PVC-U pipes, fittings, valves and ancillary equipment, their joints and to joints with components of other plastics and non-plastics materials intended to be used for the following: a) water mains and services buried in the ground; b) conveyance of water above ground for both outside and inside buildings; c) buried and above-ground drainage and sewerage under pressure. It is applicable to piping systems intended for the supply of water under pressure up to and including 25 °C (cold water), intended for human consumption and for general purposes as well as for waste water under pressure. This part of ISO 1452 is also applicable to components for the conveyance of water and waste water up to and including 45 °C. For temperatures between 25 °C and 45 °C, Figure A.1 of ISO 1452-2:2009 applies.

Keel en

Asendab EVS-EN 1452-1:1999; EVS-EN 1456-1:2002

**EVS-EN ISO 1452-2:2010**

Hind 178,00

Identne EN ISO 1452-2:2009

ja identne ISO 1452-2:2009

**Plastics piping systems for water supply and for buried and above-ground drainage and sewerage under pressure - Unplasticized poly(vinyl chloride) (PVC-U) - Part 2: Pipes**

This part of ISO 1452 specifies the characteristics of solid-wall pipes made from unplasticized poly(vinyl chloride) (PVC-U) for piping systems intended for water supply and for buried and above-ground drainage and sewerage under pressure. It also specifies the test parameters for the test methods referred to in this part of ISO 1452. In conjunction with ISO 1452-1 and ISO 1452-5, it is applicable to extruded PVC-U pipes without a socket and pipes with a socket (integral or not), intended to be used for the following: a) water mains and services buried in the ground; b) conveyance of water above ground for both outside and inside buildings; c) buried and above-ground drainage and sewerage under pressure. It is applicable to piping systems intended for the supply of water under pressure up to and including 25 °C (cold water) intended for human consumption and for general purposes as well as for waste water under pressure. This part of ISO 1452 specifies pipes for the conveyance of water and waste water up to and including 45 °C. For temperatures between 25 °C and 45 °C, Figure A.1 applies.

Keel en

Asendab EVS-EN 1456-1:2002; EVS-EN 1452-2:2000

**EVS-EN ISO 1452-3:2010**

Hind 219,00

Identne EN ISO 1452-3:2009

ja identne ISO 1452-3:2009

**Plastics piping systems for water supply and for buried and above-ground drainage and sewerage under pressure - Unplasticized poly(vinyl chloride) (PVC-U) - Part 3: Fittings**

This part of ISO 1452 specifies the characteristics of fittings made from unplasticized poly(vinyl chloride) (PVC-U) for piping systems intended for water supply and for buried and above-ground drainage and sewerage under pressure. It also specifies the test parameters for the test methods referred to in this part of ISO 1452. In conjunction with ISO 1452-1, ISO 1452-2 and ISO 1452-5, it is applicable to PVC-U fittings and to joints with components of PVC-U, other plastics and non-plastics materials intended to be used for the following: a) water mains and services buried in the ground; b) conveyance of water above ground for both outside and inside buildings; c) buried and above-ground drainage and sewerage under pressure. It is applicable to fittings in piping systems intended for the supply of water under pressure up to and including 25 °C (cold water), intended for human consumption and for general purposes as well as for waste water under pressure. This part of ISO 1452 is also applicable to components for the conveyance of water and waste water up to and including 45 °C. For temperatures between 25 °C and 45 °C, Figure A.1 of ISO 1452-2:2009 applies.

Keel en

Asendab EVS-EN 1452-1:1999; EVS-EN 1452-3:1999



#### **EVS-EN ISO 1452-4:2010**

Hind 124,00

Identne EN ISO 1452-4:2009

ja identne ISO 1452-4:2009

#### **Plastics piping systems for water supply and for buried and above-ground drainage and sewerage under pressure - Unplasticized poly(vinyl chloride) (PVC-U) - Part 4: Valves**

This part of ISO 1452 specifies the characteristics of valves made from unplasticized poly(vinyl chloride) (PVC-U) for piping systems intended for water supply and for buried and above-ground drainage and sewerage under pressure. It also specifies the test parameters for the test methods referred to in this part of ISO 1452. In conjunction with ISO 1452-1, ISO 1452-2, ISO 1452-3 and ISO 1452-5 it is applicable to PVC-U valves with components of PVC-U, other plastics and non-plastics materials intended to be used for the following: a) water mains and services buried in ground; b) conveyance of water above ground for both outside and inside buildings; c) buried and above-ground drainage and sewerage under pressure. It is applicable to valves in piping systems intended for the supply of water under pressure up to and including 25 °C (cold water) intended for human consumption and for general purposes as well as for waste water under pressure. This part of ISO 1452 is also applicable to valves for the conveyance of water and waste water up to and including 45 °C. For temperatures between 25 °C and 45 °C, Figure A.1 of ISO 1452-2:2009 applies.

Keel en

Asendab EVS-EN 1456-1:2002; EVS-EN 1452-4:1999

#### **EVS-EN ISO 1452-5:2010**

Hind 135,00

Identne EN ISO 1452-5

ja identne ISO 1452-5:2009

#### **Plastics piping systems for water supply and for buried and above-ground drainage and sewerage under pressure - Unplasticized poly(vinyl chloride) (PVC-U) - Part 5: Fitness for purpose of the system**

This part of ISO 1452 specifies the characteristics for the fitness for purpose of unplasticized poly(vinyl chloride) (PVC-U) piping systems intended for water supply and for buried and above-ground drainage and sewerage under pressure. It also specifies the test parameters for the test methods referred to in this part of ISO 1452. In conjunction with ISO 1452-1, ISO 1452-2, ISO 1452-3 and ISO 1452-4, it is applicable to joints and assemblies with components of PVC-U, other plastics and non-plastics materials intended to be used for the following: a) water mains and services buried in ground; b) conveyance of water above ground for both outside and inside buildings; c) buried and above-ground drainage and sewerage under pressure; It is applicable to piping systems intended for the supply of water under pressure up to and including 25 °C (cold water) intended for human consumption and for general purposes as well as for waste water under pressure. This part of ISO 1452 is also applicable to components for the conveyance of water and waste water up to and including 45 °C. For temperatures between 25 °C and 45 °C, Figure A.1 of ISO 1452-2:2009 applies.

Keel en

Asendab EVS-EN 1456-1:2002; EVS-EN 1452-5:2000

#### **EVS-EN ISO 4080:2010**

Hind 114,00

Identne EN ISO 4080:2009

ja identne ISO 4080:2009

#### **Kummi- ja plastvoolikud ning voolikukomplektid - Gaasi läbitungimisvõime määramine**

This International Standard specifies three methods for the determination of the volume of gas diffusing through a rubber or plastics hose or length of tubing in a specified time. Method 1: For determining the permeability of the complete hose or length of tubing, excluding end-fittings, to the test gas. The permeability is calculated with respect to the length of the hose or tubing. Method 2: For determining the permeability at the hose/fitting interface. This method is used when determining the permeability characteristics of hoses with an unpricked cover, when the gas usually issues from the textile reinforcement at the cut ends. The permeability is calculated with respect to the length of the hose. Method 3: For determining precisely the permeability of a hose or hose assembly to the test gas. The permeability is calculated with respect to the surface area of the hose lining. The methods are applicable only to gases which are insoluble in water.

Keel en

Asendab EVS-EN ISO 4080:2003

#### **EVS-EN ISO 12162:2010**

Hind 105,00

Identne EN ISO 12162:2009

ja identne ISO 12162:2009

#### **Thermoplastics materials for pipes and fittings for pressure applications - Classification, design coefficient and designation**

This International Standard establishes the classification of thermoplastics materials in pipe form and specifies the material designation. It also specifies a method for calculating the design stress. It is applicable to materials intended for pipes and fittings for pressure applications.

Keel en

Asendab EVS-EN ISO 12162:1999

#### **EVS-EN ISO 13351:2010**

Hind 135,00

Identne EN ISO 13351:2009

ja identne ISO 13351:2009

#### **Fans - Dimensions**

This International Standard specifies the dimensions of the circular and rectangular flanges of general-purpose fans, as well as the fan size designations. It is not applicable to cross-flow fans or to fan appliances used for individual household or similar applications. For circular flanges, it provides for three different flange series: one for light-duty casing thicknesses, another for medium-duty fans and the third for heavy-duty fans as used on sea-going vessels or in heavy industry. In order not to restrict fan design unduly, only the pitch diameter, hole numbers and hole diameters are specified. Flange thickness, as well as internal and external flange diameters, may be chosen freely within the limits of good engineering practice.

Keel en

Asendab EVS-EN ISO 13351:2008

**EVS-EN ISO 13967:2010**

Identne EN ISO 13967:2009

ja identne ISO 13967:2009

**Thermoplastics fittings - Determination of ring stiffness**

This International Standard specifies a method of determining the ring stiffness of bends and branches made from thermoplastic material and for use with plastics pipes having a circular cross-section. The method can be used to determine the stiffness of bends, equal branches and unequal branches, provided the fitting allows a diametric deflection of at least 4 %.

Keel en

**EVS-EN ISO 22391-1:2010**

Hind 114,00

Identne EN ISO 22391-1:2009

ja identne ISO 22391-1:2009

**Plastics piping systems for hot and cold water installations - Polyethylene of raised temperature resistance (PE-RT) - Part 1: General**

This part of ISO 22391 specifies the general characteristics of piping systems made of polyethylene of raised temperature resistance (PE-RT), Type I, and polyethylene of raised temperature resistance (PE-RT), Type II, intended to be used for hot and cold water installations within buildings for the conveyance of water, whether or not the water is intended for human consumption (domestic systems) and for heating systems, under specified design pressures and temperatures appropriate to the class of application.

This part of ISO 22391 covers a range of service conditions (classes of application), design pressures and pipe dimension classes, and also specifies test parameters and defines terms. In conjunction with the other parts of ISO 22391, it is applicable to PE-RT pipes, fittings, their joints and to joints having components of PE-RT, as well as of other plastics and non-plastics materials, respectively, used for hot and cold water installations. It is not applicable to values of design temperature, maximum design temperature or malfunction temperature in excess of those it specifies.

Keel en

**EVS-EN ISO 22391-2:2010**

Hind 145,00

Identne EN ISO 22391-2:2009

ja identne ISO 22391-2:2009

**Plastics piping systems for hot and cold water installations - Polyethylene of raised temperature resistance (PE-RT) - Part 2: Pipes**

This part of ISO 22391 specifies the characteristics of pipe made of - polyethylene of raised temperature resistance (PE-RT), Type I, and - polyethylene of raised temperature resistance (PE-RT), Type II, intended to be used for hot and cold water installations within buildings for the conveyance of water, whether or not the water is intended for human consumption (domestic systems) and for heating systems, under the design pressures and temperatures appropriate to the class of application according to ISO 22391-1. This part of ISO 22391 covers a range of service conditions (classes of application), design pressures and pipe dimension classes, and also specifies test parameters and test methods. In conjunction with the other parts of ISO 22391, it is applicable to PE-RT pipes, fittings, their joints, and to joints having components of PE-RT, as well as of other plastics and non-plastics materials, respectively, used for hot and cold water installations. It is applicable to pipes with or without a barrier layer or layers. It is not applicable to values of design temperature, maximum design temperature or malfunction temperature in excess of those specified in ISO 22391-1.

Keel en

**EVS-EN ISO 22391-3:2010**

Hind 145,00

Identne EN ISO 22391-3:2009

ja identne ISO 22391-3:2009

**Plastics piping systems for hot and cold water installations - Polyethylene of raised temperature resistance (PE-RT) - Part 3: Fittings**

This part of ISO 22391 specifies the characteristics of fittings for piping systems made of polyethylene of raised temperature resistance (PE-RT), Type I, and polyethylene of raised temperature resistance (PE-RT), Type II, intended to be used for hot and cold water installations within buildings for the conveyance of water, whether or not the water is intended for human consumption (domestic systems) and for heating systems, under the design pressures and temperatures appropriate to the class of application according to ISO 22391-1. This part of ISO 22391 covers a range of service conditions (classes of application), design pressures and pipe dimension classes, and also specifies test parameters and test methods. In conjunction with the other parts of ISO 22391, it is applicable to fittings made of PE-RT, as well as to those made of other materials, intended to be fitted to pipes conforming to ISO 22391-2 for hot and cold water installations, the joints of which are in accordance with ISO 22391-5. This part of ISO 22391 is applicable to the following types of fitting: - mechanical fittings; - socket fusion fitting; - electrofusion fittings; - fittings with incorporated inserts. It is not applicable to values of design temperature, maximum design temperature or malfunction temperature in excess of those specified in ISO 22391-1.

Keel en

## **EVS-EN ISO 22391-5:2010**

Hind 114,00

Identne EN ISO 22391-5:2009

ja identne ISO 22391-5:2009

### **Plastics piping systems for hot and cold water installations - Polyethylene of raised temperature resistance (PE-RT) - Part 5: Fitness for purpose of the system**

This part of ISO 22391 specifies the characteristics of the fitness for purpose of piping systems made of - polyethylene of raised temperature resistance (PE-RT), Type I, and - polyethylene of raised temperature resistance (PE-RT), Type II, intended to be used for hot and cold water installations within buildings for the conveyance of water, whether or not the water is intended for human consumption (domestic systems) and for heating systems, under the design pressures and temperatures appropriate to the class of application according to ISO 22391-1. This part of ISO 22391 covers a range of service conditions (classes of application), design pressures and pipe dimension classes, and also specifies test parameters and test methods. In conjunction with the other parts of ISO 22391, it is applicable to PE-RT pipes, fittings, their joints, and to joints having components of PE-RT as well as of other plastics and non-plastics materials, respectively, used for hot and cold water installations. It is not applicable to values of design temperature, maximum design temperature or malfunction temperature in excess of those specified in ISO 22391-1.

Keel en

## **ASENDATUD VÕI TÜHISTATUD STANDARDID**

### **EVS 1991-4:2003**

ja identne EVS 1991-4:2003

#### **Ehituskonstruksioonide koormused. Osa 4: Puiste- ja vedelikmahutite koormused**

Standard EVS 1991-4 käsitleb järgmisi küsimusi: - 2. peatükk "Üldsätted ja eeskirjad" - 3. peatükk "Arvutusolukorrad" - 4. peatükk "Puistekoormus" - 5. peatükk "Vedelikukoormus" - Lisa A "Koormuskombinatsioonid" - Lisa B "Puistematerjali parameetrite katselise määramise meetodid" - Lisa C "Seismokoormused"

Keel et

Asendatud EVS-EN 1991-4:2006; EVS-EN 1991-4:2006+NA:2009; EVS-EN 1991-4/NA:2009

## **EVS 1993-4-2:2003**

ja identne EVS 1993-4-2:2003

### **Teraskonstruksioonid. Osa 4-2: Vedelikumahutid**

EVS 1993-4-2 rakendub maapealsetele püstsilindrilistele terasmahutitele, mis on ette nähtud järgmiste parameetritega vedelike salvestamiseks: a) mahuti siserõhk on piirides -100 mbar kuni +500 mbar; b) metalli projekttemperatuur on vahemikus -196 °C kuni +300 °C; c) maksimaalne vedelikunivoo pole kõrgem kui projekteeritava mahuti korpuse ülaseriv. EVS 1993-4-2 puudutab ainult terasmahutite tugevust ja stabiilsust. Teiste nõuete (näiteks ohutuse, valmistamise, montaaži ja katsetamise, funktsionaalsete nõuete, sissepääsuavade, flanšide, täiteseadmete jms) osas tuleb juhendada Euroopa standardi kavandist prEN 14015-1. Seismilise projekteerimise erinõuete eeskirjad on antud Euroopa eelstandardis ENV 1998-4 "Eurocode 8: Design of structures for earthquake resistance - Part 4: Silos, tanks, and pipelines", mis täiendab või kohaldab ENV 1993 ja EVS 1993 eeskirju selles osas. Raudbetoonvundamente terasmahutite jaoks käsitlevad EVS 1992 ja EVS 1997. Vedelikumahutite koormuste määramise eeskirjad on toodud käesoleva standardi lisas. Käesolev standard ei kata: - ujukatused ja - katteid, - vastupanu tulekahjule (vt EVS 1993-1-2).

Keel et

Asendatud EVS-EN 1993-4-2:2007; prEVS-EN 1993-4-2:2007+NA; prEVS-EN 1993-4-2/NA

### **EVS-EN 1452-2:2000**

Identne EN 1452-2:1999

#### **Veevarustuse plasttorustikud. Plastifitseerimata polüvinüülkloriid (PVC-U). Osa 2: Torud**

Euroopa standardi EN 1452 käesolev osa määrab kindlaks parameetrid plastifitseerimata polüvinüülkloriidist (PVC-U) valmistatud torude jaoks, mida kasutatakse veevarustuse torustikusüsteemides. Standard määrab kindlaks ka testitavad parameetrid käesolevas standardis esitatud testimismeetodite jaoks. Koos Euroopa standardi EN 1452 osadega 1 kuni 5 ning Euroopa eelstandardiga ENV 1452-7 kehtib käesolev standard ekstrusioonimeetodil polüvinüülkloriidist toodetud ilma muhvideta torude ja muhvidega torude (muhvtorud ja eraldi muhvid) kohta, mis on ette nähtud järgmistele kasutusvaldkondadele: a) maasse paigaldatud veetorustikud ja ühendused; b) maapinnast kõrgemal asuvad veevarustussüsteemi osad nii väljaspool hooneid kui ka hoonete sees; tarbevee ja üldotstarbelise veega varustamiseks surveelistes süsteemides temperatuuril umbes 20 °C (külm vesi). Käesolev standard kehtib ka veevarustuse torude kohta, kus vee temperatuur on kuni 45 °C (kaasa arvatud). Temperatuurivahemiku 25 G60 kuni 45 °C kohta kehtib lisas A esit

Keel en

Asendatud EVS-EN ISO 1452-2:2010

**EVS-EN 1452-3:1999**

Identne EN 1452-3:1999

**Veevarustuse plasttorustikusüsteemid.  
Plastifitseerimata polüvinüülkloriid (PVC-U). Osa 3:  
Toruliitmikud**

Euroopa standardi EN 1452 käesolev osa määrab kindlaks parameetrid plastifitseerimata polüvinüülkloriidist (PVC-U) valmistatud liitmike kohta, mida kasutatakse veevarustuse torustikusüsteemides. Standard määrab kindlaks ka testitavad parameetrid käesolevas standardis esitatud testimismeetodite jaoks. Koos Euroopa standardi EN 1452 osadega 1, 2 ja 5 ning Euroopa eelstandardiga ENV 1452-7 kehtib käesolev standard polüvinüülkloriidist valmistatud torustikuliitmike ja liitmike kohta, mille komponendid on tehtud polüvinüülkloriidist, teistest plastidest või mitteplastidest ning mis on ette nähtud järgmistele kasutusvaldkondadele: a) maasse paigaldatud veetorustikud ja ühendused; b) pinnast kõrgemal asuvad veevarustussüsteemi osad nii väljaspool hooneid kui ka hoonete sees; tarbevee ja üldotstarbelise veega varustamiseks survesüsteemides temperatuuril umbes 20 °C (külm vesi). Käesolev standard kehtib ka veevarustustorude kohta, kus vee temperatuur on kuni 45 °C (kaasa arvatud). Temperatuurivahemiku 25 °C kuni 45 °C

Keel en

Asendatud EVS-EN ISO 1452-3:2010

**EVS-EN 1452-4:1999**

Identne EN 1452-4:1999

**Veevarustuse plasttorustikusüsteemid.  
Plastifitseerimata polüvinüülkloriid (PVC-U). Osa 4:  
Ventiilid ja abiseadised**

Euroopa standardi EN 1452 käesolev osa määrab kindlaks parameetrid plastifitseerimata polüvinüülkloriidist (PVC-U) valmistatud ventiilide ja abiseadiste kohta, mida kasutatakse veevarustuse torustikusüsteemides. Standard määrab kindlaks ka testitavad parameetrid käesolevas standardis esitatud testimismeetodite jaoks. Koos Euroopa standardi EN 1452 osadega 1, 2, 3 ja 5 ning Euroopa eelstandardiga ENV 1452-7 kehtib käesolev standard polüvinüülkloriidist valmistatud ventiilide ja abiseadiste kohta, mille komponendid on tehtud polüvinüülkloriidist, teistest plastidest või mitteplastidest ning mis on ette nähtud järgmistele kasutusvaldkondadele: a) maasse paigaldatud veetorustikud ja ühendused; b) pinnast kõrgemal asuvad veevarustussüsteemi osad nii väljaspool hooneid kui ka hoonete sees; tarbevee ja üldotstarbelise veega varustamiseks survesüsteemides temperatuuril umbes 20 °C (külm vesi). Käesolev standard kehtib ka veevarustustorude kohta, kus vee temperatuur on kuni 45 °C (kaasa arvatud).

Temperatuurivahemiku

Keel en

Asendatud EVS-EN ISO 1452-4:2010

**EVS-EN 1452-5:2000**

Identne EN 1452-5:1999

**Veevarustuse plasttorustikud. Plastifitseerimata  
polüvinüülkloriid (PVC-U). Osa 5: Sobivus süsteemi  
otstarbega**

Euroopa standardi EN 1452 käesolev osa määrab kindlaks süsteemi otstarbega sobivuse parameetrid plastifitseerimata polüvinüülkloriidist (PVC-U) torustikusüsteemide kohta, mida kasutatakse veevarustuse valdkonnas. Standard määrab kindlaks ka testitavad parameetrid käesolevas standardis esitatud testimismeetodite jaoks. Koos Euroopa standardi EN 1452 osadega 1 kuni 4 ning Euroopa eelstandarditega ENV 1452-6 ja ENV 1452-7 kehtib käesolev standard liitmike ja sõlmede kohta, mille komponendid on tehtud polüvinüülkloriidist, teistest plastidest või mitteplastidest ning mis on ette nähtud järgmistele kasutusvaldkondadele: a) maasse paigaldatud veetorustikud ja ühendused; b) pinnast kõrgemal asuvad veevarustussüsteemi osad nii väljaspool hooneid kui ka hoonete sees; tarbevee ja üldotstarbelise veega varustamiseks survesüsteemides temperatuuril umbes 20 °C (külm vesi). Käesolev standard kehtib ka veevarustustorude kohta, kus vee temperatuur on kuni 45 °C (kaasa arvatud). Temperatuurivahemiku 25 °C kuni 45 °C kohta keh

Keel en

Asendatud EVS-EN ISO 1452-5:2010

**EVS-EN 1452-1:1999**

Identne EN 1452-1:1999

**Plasttorustikusüsteemid veevarustuse jaoks.  
Plastifitseerimata polüvinüülkloriid (PVC-U). Osa 1:  
Üldinfo**

Euroopa standardi EN 1452 käesolev osa määrab kindlaks üldkujud plastifitseerimata polüvinüülkloriidist (PVC-U) valmistatud torude jaoks, mida kasutatakse veevarustuse torustikusüsteemides. Koos Euroopa standardi EN 1452 osadega 2 kuni 5 kehtib käesolev standard PVC-U torude, toruliitmike, ventiilide ja abiseadmestiku ning nende ühenduselementide kohta, mille komponendid on tehtud teistest plastidest või mitteplastidest ning mis on ette nähtud järgmistele kasutusvaldkondadele: a) maasse paigaldatud veetorustikud ja ühendused; b) pinnast kõrgemal asuvad veevarustussüsteemi osad nii väljaspool hooneid kui ka hoonete sees; tarbevee ja üldotstarbelise veega varustamiseks surveelistes süsteemides temperatuuril umbes 20 °C (külm vesi). Käesolev standard kehtib ka veevarustuse torude kohta, kus vee temperatuur on kuni 45 °C (kaasa arvatud). Temperatuurivahemiku 25 °C kuni 45 °C kohta kehtib Euroopa standardi EN 1452-2:1999 lisas A esitatud joonis A.1.

Keel en

Asendatud EVS-EN ISO 1452-1:2010; EVS-EN ISO 1452-3:2010

### **EVS-EN 1456-1:2002**

Identne EN 1456-1:2001

#### **Plastics piping systems for buried and above-ground drainage and sewerage under pressure - Unplasticized poly(vinyl chloride) (PVC-U) - Part 1: Specifications for piping components and the system**

This European Standard specifies requirements for unplasticized poly(vinyl chloride) (PVC-U) piping systems in the field of buried and above-ground drainage and sewerage under pressure.

Keel en

Asendatud EVS-EN ISO 1452-1:2010; EVS-EN ISO 1452-2:2010; EVS-EN ISO 1452-4:2010; EVS-EN ISO 1452-5:2010

### **EVS-EN 1822-2:1999**

Identne EN 1822-2:1998

#### **Kõrgefektiivsed õhufiltrid (HEPA ja ULPA). Osa 2: Aerosooltooted, mõõteaparatuur, osakeste loendamise statistika**

Käesolev Euroopa standard kehtib kõrgefektiivsete, tahkete osakeste õhufiltrite (HEPA) ja ülitihedate õhufiltrite (ULPA) kohta, mida kasutatakse ventilatsiooni ja õhu konditsioneerimise alal ning tehniliste protsesside korral, nagu näiteks puhast ruumi nõudvad tehnoloogiad või tuuma- ja farmaatsiatööstus. Standard kehtestab meetodika efektiivsuse määramiseks osakeste loendamise meetodi alusel, kasutades vedelat testimisaerosooli ning võimaldab neid filtreid ühtse süsteemina klassifitseerida nende efektiivsuse alusel. Käesolev Euroopa standard kirjeldab selle testimise käigus kasutatavaid mõõteriistu ja aerosooli generaatoreid. Osakeste loendamise kohta määrab standard kindlaks statistilise aluse loendatud juhtumite hindamiseks vaid väikese arvu loenduste korral.

Keel en

Asendatud EVS-EN 1822-2:2010

### **EVS-EN 1822-3:1999**

Identne EN 1822-3:1998

#### **Kõrgefektiivsed õhufiltrid (HEPA ja ULPA). Osa 3: Lamedakihilise filtreeriva materjali katsetamine**

Käesolev Euroopa standard kehtib kõrgefektiivsete, tahkete osakeste õhufiltrite (HEPA) ja ülitihedate õhufiltrite (ULPA) kohta, mida kasutatakse ventilatsiooni ja õhu konditsioneerimise alal ning tehniliste protsesside korral, nagu näiteks puhast ruumi nõudvad tehnoloogiad või tuuma- ja farmaatsiatööstus. Käesolev Euroopa standard kehtib kõrgefektiivsetes õhufiltrites kasutatava lamedakihilise filtreeriva materjali testimise kohta. Meetodika hõlmab meetodeid, testimiskomplekte ja tingimusi testi läbiviimiseks ning tulemuste arutamise põhimõtteid.

Keel en

Asendatud EVS-EN 1822-3:2010

### **EVS-EN 1822-4:2001**

Identne EN 1822-4:2000

#### **High efficiency particulate air filters (HEPA and ULPA) - Part 4: Determining leakage of filter element (Scan method)**

This standard applies to high efficiency air filters and ultra low penetration air filters (HEPA- and ULPA-filters) used in the field of ventilation and air conditioning and for technical processes, for example, for clean room technology or applications in the nuclear or pharmaceutical industry. It establishes a procedure for the determination of the efficiency on the basis of a particle counting method using a liquid test aerosol, and allows a standardized classification of these filters in terms of their efficiency. Part 4 of this standard applies to the leak testing of filter elements. The scan method which is described in detail regarding procedure, apparatus and test conditions is valid for the complete range of HEPA- and ULPA-filters. The oil thread test according to annex A may be used alternatively only for HEPA-filters (see EN 1822-1).

Keel en

Asendatud EVS-EN 1822-4:2010

### **EVS-EN 1822-5:2001**

Identne EN 1822-5:2000

#### **High efficiency particulate air filters (HEPA and ULPA) - Part 5: Determining the efficiency of the filter element**

This standard applies to high efficiency air filters and ultra low penetration air filters (HEPA and ULPA filters) used in the field of ventilation and air conditioning and for technical processes, for example, for clean room technology or applications in the nuclear and pharmaceutical industry. It establishes a procedure for the determination of the efficiency on the basis of a particle counting method using a liquid test aerosol, and allows a standardized classification of these filters in terms of their efficiency. Part 5 of the standard deals with measuring the efficiency of filter elements, specifying the conditions and procedures for carrying out tests, describing a specimen test apparatus and its components, and including the method for evaluating the test results.

Keel en

Asendatud EVS-EN 1822-5:2010

### **EVS-EN 1822-1:1999**

Identne EN 1822-1:1998

#### **Kõrgefektiivsed õhufiltrid (HEPA ja ULPA). Osa 1: Liigitus, tööarakteristikute katsetamine, märgistamine**

Käesolev Euroopa standard kehtib kõrgefektiivsete, tahkete osakeste õhufiltrite (HEPA) ja ülitihedate õhufiltrite (ULPA) kohta, mida kasutatakse ventilatsiooni ja õhu konditsioneerimise alal ning tehniliste protsesside korral, nagu näiteks puhast ruumi nõudvad tehnoloogiad või tuuma- ja farmaatsiatööstus. Standard kehtestab meetodika efektiivsuse määramiseks osakeste loendamise meetodi alusel, kasutades vedelat testimisaerosooli ning võimaldab neid filtreid ühtse süsteemina klassifitseerida nende efektiivsuse alusel.

Keel en

Asendatud EVS-EN 1822-1:2010

**EVS-EN 12817:2007**

Identne EN 12817:2002+A1:2006+AC:2006

**Vedelgaasi seadmed ja lisavarustus. Maapealsete vedelgaasi mahutite mahuga kuni ja kaasaarvatud 13 m<sup>3</sup> kontrolli ja ümberkvalifitseerimine KONSOLIDEERITUD TEKST**

Standard määratleb nõuded: a) maapealsete vedelgaasi mahutite, 150 l kuni 13 m<sup>3</sup> kaasaarvatud ning nende lisaseadmete tavakontrollile, perioodilisele kontrollile ja ümberkvalifitseerimisele; b) tavakontrolli, perioodilise kontrolli ja ümberkvalifitseerimise tulemusena vastavalt vajadusele protokollide säilitamisele ja/või mahutite märgistusele. Standard ei käsitle jahutatult hoiustamist.

Keel et

Asendatud EVS-EN 12817:2010

**EVS-EN 12818:2002**

Identne EN 12818:2002

**Inspection and requalification of LPG tanks up to and including 13 m<sup>3</sup> underground**

This European Standard specifies requirements for: a) routine inspection, periodic inspection and requalification of underground and mounded LPG storage tanks of sizes from 150 l up to and including 13 m<sup>3</sup>, and associated fittings; b) marking tanks and/or keeping records, as appropriate, as a result of routine inspection, periodic inspection and requalification. This European Standard excludes refrigerated storage.

Keel en

Asendatud EVS-EN 12817:2010

**EVS-EN 12818:2002/A1:2006**

Identne EN 12818:2002/A1:2006

**LPG equipment and accessories - Inspection and requalification of LPG tanks up to and including 13 m<sup>3</sup> underground**

This European Standard specifies requirements for: a) routine inspection, periodic inspection and requalification of underground and mounded LPG storage tanks of sizes from 150 l up to and including 13 m<sup>3</sup>, and associated fittings; b) marking tanks and/or keeping records, as appropriate, as a result of routine inspection, periodic inspection and requalification. This European Standard excludes refrigerated storage.

Keel en

Asendatud EVS-EN 12817:2010

**EVS-EN ISO 4080:2003**

Identne EN ISO 4080:1995

ja identne ISO 4080:1991

**Kummi- ja plastvoolikud ning voolikukomplektid - Gaasi läbitungimisvõime määramine**

Keel en

Asendatud EVS-EN ISO 4080:2010

**EVS-EN ISO 12162:1999**

Identne EN ISO 12162:1995

ja identne ISO 12162:1995

**Termoplastmaterjalid survetorustike torude ja liitmike jaoks. Liigitus ja tähistamine. Üldine hooldustegur (konstruktsiooniline)**

Käesolev standard kehtestab torukujuliste termoplastmaterjalide liigituse ning määrab kindlaks materjali tähistuse. Standard esitab ka ehituspinge arvutamise meetodi. Standard kehtib materjalide kohta, mis on ette nähtud survetorustiku torude ja/või liitmike jaoks.

Keel en

Asendatud EVS-EN ISO 12162:2010

**EVS-EN ISO 13351:2008**

Identne EN ISO 13351:2008

ja identne ISO 13351:1996

**Tööstuslikud ventilaatorid. Mõõtmed**

This International Standard specifies size designations for industrial fans and specifies dimensions for the circular and rectangular flanges of general purpose industrial fans as defined in 3.1 .l. It does not apply to cross-flow fans, or fan appliances used for household or similar applications. For circular flanges, this International Standard provides two different flange series, one for standard casing thicknesses and a second for heavy duty fans as used on board sea-going vessels or in heavy industry. In order not to restrict fan designs unduly, only the pitch diameter, hole numbers and hole diameters are standardized. Flange thickness as well as internal and external flange diameters can be chosen freely within the limits of good engineering practice.

Keel en

Asendatud EVS-EN ISO 13351:2010

**KAVANDITE ARVAMUSKÜSITLUS****EN 13941:2009/FprA1**

Identne EN 13941:2009/FprA1:2010

Tähtaeg 29.04.2010

**Eelisolleeritud seotud kaugküttetorustike projekteerimine ja paigaldamine**

This European Standard specifies rules for design, calculation and installation for preinsulated bonded pipe systems for buried hot water distribution and transmission networks (cf. figure 2) with pipe assemblies in accordance with EN 253, for continuous operation with hot water at various temperatures up to 120°C and occasionally with peak temperatures up to 140°C and maximum internal pressure 25 bar (overpressure).

Keel en

**prEN 12201-3**

Identne prEN 12201-3:2010

Tähtaeg 29.04.2010

**Plastics piping systems for water supply, and for drainage and sewerage under pressure - Polyethylene (PE) - Part 3: Fittings**

This Part of EN 12201 specifies the characteristics of fittings made from polyethylene (PE 100 and PE 80) intended for the conveyance of water for human consumption, including raw water prior to treatment, drainage and sewerage under pressure, vacuum sewer systems, and water for other purposes.

Keel en

Asendab EVS-EN 12201-3:2003; EVS-EN 13244-3:2003

**prEN 12201-1**

Identne prEN 12201-1:2010

Tähtaeg 29.04.2010

**Plastics piping systems for water supply, and for drainage and sewerage under pressure - Polyethylene (PE) - Part 1: General**

This Part of EN 12201 specifies the general aspects of polyethylene (PE) pressure piping systems (mains and service pipes) for buried or above ground applications, intended for the conveyance of water for human consumption, including raw water prior to treatment, drainage and sewerage under pressure, vacuum sewer systems, and water for other purposes

Keel en

Asendab EVS-EN 12201-1:2003; EVS-EN 13244-1:2003

## prEN 12201-2

Identne prEN 12201-2:2010

Tähtaeg 29.04.2010

### **Plastics piping systems for water supply, and for drainage and sewerage under pressure - Polyethylene (PE) - Part 2: Pipes**

This Part of EN 12201 specifies the characteristics of pipes made from polyethylene (PE 100, PE 80, and PE 40) for buried and above ground applications, intended for the conveyance of water for human consumption, including raw water prior to treatment, drainage and sewerage under pressure, vacuum sewer systems, and water for other purposes.

Keel en

Asendab EVS-EN 12201-2:2003; EVS-EN 13244-2:2003

## prEN 12201-5

Identne prEN 12201-5:2010

Tähtaeg 29.04.2010

### **Plastics piping systems for water supply, and for drainage and sewerage under pressure - Polyethylene (PE) - Part 5: Fitness for purpose of the system**

This Part of EN 12201 specifies the characteristics of the fitness for purpose of the assembled piping systems intended for the conveyance of water intended for human consumption, including raw water prior to treatment, drainage and sewerage under pressure, vacuum sewer systems, and water for other purposes. It also specifies the method of preparation of test piece joints, and the tests to be carried out on these joints for assessing the fitness for purpose of the system under normal and extreme conditions.

Keel en

Asendab EVS-EN 12201-5:2003; EVS-EN 13244-5:2003

## prEN ISO 11439

Identne prEN ISO 11439:2009

ja identne ISO/DIS 11439:2009

Tähtaeg 29.04.2010

### **Gas cylinders - High pressure cylinders for the on-board storage of natural gas as a fuel for automotive vehicles - Complementary element**

This International Standard specifies minimum requirements for serially produced light-weight refillable gas cylinders intended only for the on-board storage of high pressure compressed natural gas as a fuel for automotive vehicles to which the cylinders are to be fixed. The service conditions do not cover external loadings that may arise from vehicle collisions, etc. This International Standard covers cylinders of any steel, aluminium or non-metallic material construction, using any design or method of manufacture suitable for the specified service conditions. This International Standard does not cover cylinders of stainless steel or of welded construction. Although this standard uses 200 bar as a reference working pressure, other working pressures may be used

Keel en

Asendab EVS-EN ISO 11439:2001

## 25 TOOTMISTEHNOLLOOGIA

### UUED STANDARDID JA PUBLIKATSIOONID

#### **EVS-EN 287-6:2010**

Hind 166,00

Identne EN 287-6:2010

#### **Qualification test of welders - Fusion welding - Part 6: Cast iron**

This European Standard specifies main requirements, limits, inspection conditions and acceptance requirements as well as related inspection documents of welders for welded cast iron test pieces and workpieces. It provides a set of technical rules for a systematic qualification test of a welder's skills, and enables such qualifications to be uniformly accepted independently of the type of product, location and examiner/examining body. This European Standard specifies the testing of a welder's skill unless a higher level skill test is applicable. The acceptance of a welder's skill according to this European Standard implies a practical experience and knowledge regarding the welding process, materials and safety requirements (see Annex C). This European Standard has to be used when requirements on part of a customer, testing or monitoring body or other organisation are postulated. This European Standard defines the qualification test of welders for the fusion welding of cast iron. The welding processes referred to in this standard include those fusion welding processes which are designated as manual or partly mechanized welding. It does not cover fully mechanized and automated welding processes (see EN 1418). Cast iron materials which are covered by this European Standard are mentioned in 5.4. The inspection document and certification is made out in the name of the testing body's liability.

Keel en

#### **EVS-EN 1708-1:2010**

Hind 295,00

Identne EN 1708-1:2010

#### **Keevitamine. Terasest keevitusõmbluse põhilised detailid . Osa 1: Kõrgrõhu komponendid**

The purpose of this standard is to exemplify commonly accepted welded connections in pressure systems. It does not promote the standardization of connections that may be regarded as mandatory or restrict development in any way. Stress analysis rules should be considered if necessary. This standard contains examples of connections welded by: - Manual metal-arc welding with covered electrode (111); - Submerged arc welding (12); - Gas shielded metal arc welding (13); - Tungsten inert gas arc welding; TIG-welding (14); - Plasma arc welding (15); processes (process numbers according to EN ISO 4063) in steel pressure systems. Other processes by agreement. This standard covers welded joint details in steel, but can be applied to other metallic materials. In such cases the shape and dimensions of the weld should be checked. The estimation of the suitability of welded connections for special service conditions, for example corrosion and fatigue are not specially considered.

Keel en

Asendab EVS-EN 1708-1:1999; EVS-EN 1708-1:1999/A1:2004

**EVS-EN 14879-6:2010**

Hind 256,00

Identne EN 14879-6:2009

**Organic coating systems and linings for protection of industrial apparatus and plants against corrosion caused by aggressive media - Part 6: Combined linings with tile and brick layers**

This European Standard describes the requirements for and methods of testing of combined systems with tile and brick layers which are applied to concrete or metallic process engineering equipment that will come in contact with chemical substances (liquids, solids and gases). The requirements specified here may be used for the purposes of quality control (e.g. as agreed between the contract partners or having been given by national regulations)).

Keel en

**EVS-EN 60745-2-2:2003/A12:2010**

Hind 68,00

Identne EN 60745-2-2:2003/A12:2009

**Käeshoitavad mootorajamiga elektritööriistad.****Ohutus. Osa 2-17: Erinõuded kruvikeerajatele ja mutrivõtmetele**

Deals with the safety of hand-held motor-operated or magnetically driven electric tools, specific requirements for screwdrivers and impact wrenches. The rated voltage being not more than 250 V for single-phase a.c. or d.c., and 440 V for three-phase a.c.

Keel en

**EVS-EN 60745-2-3:2007/A11:2010**

Hind 68,00

Identne EN 60745-2-3:2007/A11:2009

**Elektrimootoriga töötavate käeshoitavate tööriistade ohutus. Osa 2-3: Erinõuded lihvmasinale, ketaslihvpinkidele ja poleerimisemmetele**

This standard applies to grinders, with a rated speed not exceeding a peripheral speed of the accessory of 80 m/s at rated capacity, polishers and disk-type sanders, including angle, straight and vertical. This standard applies to tools with a rated capacity not exceeding 230 mm.

Keel en

**EVS-EN 60745-2-4:2010**

Hind 155,00

Identne EN 60745-2-4:2009

ja identne IEC 60745-2-4:2002 + A1:2008

**Käsimooriga elektrilised tööriistad. Ohutus. Osad 2-4: Erinõuded mitte ketastüübilistele lihvimis- ja poleerimisemmetele**

This standard applies to sanders and polishers with the exception of all types of disc-type tools, which are covered by IEC 60745-2-3. Tools covered by this standard include but are not limited to belt sanders, reciprocating sanders or polishers, orbital sanders or polishers, and random orbit sanders or polishers.

Keel en

Asendab EVS-EN 60745-2-4:2003; EVS-EN 60745-2-4:2003/A11:2007; EVS-EN 60745-2-4:2003/A1:2009

**EVS-EN 60745-2-5:2007/A11:2010**

Hind 80,00

Identne EN 60745-2-5:2007/A11:2009

**Käeshoitavad mootorajamiga elektritööriistad.****Ohutus. Osa 2-5: Erinõuded ketassaagidele**

Deals with the safety of hand-held motor-operated or magnetically driven electric tools, specific requirements for circular saws. The rated voltage being not more than 250 V for single-phase a.c. or d.c., and 440 V for three-phase a.c. tools. This standard does not apply to saws used with abrasive wheels. This standard applies to all types of circular saws. Circular saws hereinafter will be referred to as saws. This standard does not apply to saws used with abrasive wheels.

Keel en

**EVS-EN 60745-2-6:2003/A12:2010**

Hind 68,00

Identne EN 60745-2-6:2003/A12:2009

**Käeshoitavad mootorajamiga elektritööriistad.****Ohutus. Osa 2-5: Erinõuded haamritele**

Deals with the safety of hand-held motor-operated or magnetically driven tools, specifically hammers. The rated voltage of the hammers is not more than 250 V for single-phase a.c. or d.c., and 440 V for three-phase a.c. tools. Tools covered by this standard

Keel en

**EVS-EN 60745-2-11:2003/A12:2010**

Hind 68,00

Identne EN 60745-2-11:2003/A12:2009

**Käsimooriga elektrilised tööriistad. Ohutus. Osad 2-11: Erinõuded kahepoolsetele saagidele (kett- ja raiesaad)**

Deals with the safety of hand-held motor-operated or magnetically driven tools, specific requirements for reciprocating saws. The rated voltage being not more than 250 V for single-phase a.c. or d.c. and 440 V for three-phase a.c. tools. Tools covered by this standard include but are not limited to jigsaws and reciprocating (sabre) saws

Keel en

**EVS-EN 62061:2005/AC:2010**

Hind 0,00

Identne EN 62061:2005/Corr:2010

**Masinale ohutus. Ohutusega seotud elektriliste, elektrooniliste ja programmeeritavate elektrooniliste kontrollsüsteemide funktsionaalne ohutus**

Keel en

**EVS-EN ISO 5821:2010**

Hind 114,00

Identne EN ISO 5821:2009

ja identne ISO 5821:2009

**Kontaktkeevitus. Punktkeevituse elektroodid**

This International Standard specifies the dimensions and tolerances of resistance spot welding electrode caps, where a female taper (see ISO 1089) is used to fix the cap to an electrode adaptor (see ISO 5183-1 and ISO 5183-2). It applies only to electrode caps for which the electrode force, FE, given for diameter d1 in Table 2 and Table A.2 is not exceeded.

Keel en



**EVS-EN ISO 14713-3:2010**

Hind 114,00

Identne EN ISO 14713-3:2009

ja identne ISO 14713-3:2009

**Zinc coatings - Guidelines and recommendations for the protection against corrosion of iron and steel in structures - Part 3: Sherardizing**

This part of ISO 14713 provides guidelines and recommendations regarding the general principles of design that are appropriate for articles to be sherardized for corrosion protection. The protection afforded by the sherardized coating to the article will depend upon the method of application of the coating, the design of the article and the specific environment to which the article is exposed. The sherardized article can be further protected by application of additional coatings (outside the scope of this part of ISO 14713), such as organic coatings (wet paints or powder coatings). When applied to sherardized articles, this combination of coatings is often known as a "duplex system". General guidance on this subject can be found in ISO 12944-5 and EN 13438. The maintenance of corrosion protection in service for steel with sherardized coatings is outside the scope of this part of ISO 14713. Specific product-related requirements (e.g. for sherardized coatings on fasteners or tubes, etc.) will take precedence over these general recommendations.

Keel en

**EVS-EN ISO 14343:2010**

Hind 145,00

Identne EN ISO 14343:2009

ja identne ISO 14343:2009

**Welding consumables - Wire electrodes, strip electrodes, wires and rods for arc welding of stainless and heat resisting steels - Classification**

This International Standard specifies requirements for classification of wire electrodes, strip electrodes, wires and rods for gas-shielded metal arc welding, gas tungsten arc welding, plasma arc welding, submerged arc welding, electroslag welding and laser beam welding of stainless and heat-resisting steels. The classification of the wire electrodes, strip electrodes, wires and rods is based upon their chemical composition.

Keel en

Asendab EVS-EN ISO 14343:2007

**EVS-EN ISO 14713-1:2010**

Hind 155,00

Identne EN ISO 14713-1:2009

ja identne ISO 14713-1:2009

**Guidelines and recommendations for the protection against corrosion of iron and steel in structures - Zinc coatings - Part 1: General principles of design and corrosion resistance**

This part of ISO 14713 provides guidelines and recommendations regarding the general principles of design which are appropriate for articles to be zinc coated for corrosion protection and the level of corrosion resistance provided by zinc coatings applied to iron or steel articles, exposed to a variety of environments. Initial protection is covered in relation to - available standard processes, - design considerations, and - environments for use. This part of ISO 14713 applies to zinc coatings applied by the following processes: a) hot dip galvanized coatings (applied after fabrication); b) hot dip galvanized coatings (applied onto continuous sheet); c) sherardized coatings; d) thermal sprayed coatings; e) mechanically plated coatings; f) electrodeposited coatings. These guidelines and recommendations do not deal with the maintenance of corrosion protection in service for steel with zinc coatings. Guidance on this subject can be found in ISO 12944-5 and ISO 12944-8.

Keel en

Asendab EVS-EN ISO 14713:2001

**EVS-EN ISO 14713-2:2010**

Hind 166,00

Identne EN ISO 14713-2:2009

ja identne ISO 14713-2:2009

**Zinc coatings - Guidelines and recommendations for the protection against corrosion of iron and steel in structures - Part 2: Hot dip galvanizing**

This part of ISO 14713 provides guidelines and recommendations regarding the general principles of design which are appropriate for articles to be hot dip galvanized for corrosion protection. The protection afforded by the hot dip galvanized coating to the article will depend upon the method of application of the coating, the design of the article and the specific environment to which the article is exposed. The hot dip galvanized article can be further protected by application of additional coatings (outside the scope of this part of ISO 14713), such as organic coatings (paints or powder coatings). When applied to hot dip galvanized articles, this combination of coatings is often known as a "duplex system". The guidelines and recommendations in this part of ISO 14713 do not deal with the maintenance of corrosion protection in service for steel with hot dip galvanized coatings. Guidance on this subject can be found in ISO 12944-5. Specific product-related requirements (e.g. for hot dip galvanized coatings on tubes or fasteners, etc.) will take precedence over these general recommendations.

Keel en

Asendab EVS-EN ISO 14713:2001

**EVS-EN ISO 17638:2010**

Hind 145,00

Identne EN ISO 17638:2009

ja identne ISO 17638:2003

**Non-destructive testing of welds - Magnetic particle testing**

This International Standard specifies techniques for detection of surface imperfections in welds in ferromagnetic materials, including the heat affected zones, by means of magnetic particle testing. The techniques are suitable for most welding processes and joint configurations. Variations in the basic techniques that will provide a higher or lower test sensitivity, are described in Annex A. This International Standard does not specify acceptance levels of the indications. Further information on acceptance levels for indications may be found in EN 1291 or in product or application standards.

Keel en

Asendab EVS-EN 1290:1999

**EVS-EN ISO 18592:2010**

Hind 219,00

Identne EN ISO 18592:2009

ja identne ISO 18592:2009

**Resistance welding - Destructive test of welds - Method for the fatigue testing of multi-spot-welded specimens**

This International Standard specifies test specimens and procedures for performing constant load amplitude fatigue tests on multi-spot-welded and multi-axial specimens in the thickness range from 0,5 mm to 5 mm at room temperature and a relative humidity of max. 80 %. The applicability of this International Standard to larger thicknesses can be limited by mechanical properties such as yield strength and formability of the specimen material. The thickness range for advanced high strength steels (AHSS) is generally below 3,0 mm. Greater thicknesses apply for aluminium alloys, for example.

Keel en

**EVS-EN ISO 23277:2010**

Hind 80,00

Identne EN ISO 23277:2009

ja identne ISO 23277:2006

**Keevisõbluste mittepurustav kontrollimine. Keevisõbluste katsetamine kapillaarmetodil (immutusvedelikega). Tehnilistele tingimustele vastavuse tasemed**

This International Standard specifies acceptance levels for indications from surface breaking imperfections in metallic welds detected by penetrant testing. The acceptance levels are primarily intended for use during manufacture examination, but where appropriate they can be used for in-service inspection. The acceptance levels in this International Standard are based on detection capabilities that can be expected when using techniques specified in ISO 3452 and parameters recommended in Annex A. The acceptance levels can be related to welding standards, application standards, specifications or codes. Such a relationship is shown in ISO 17635 for ISO 5817 and ISO 10042.

Keel en

Asendab EVS-EN 1289:1999; EVS-EN

1289:1999/A1:2002; EVS-EN 1289:1999/A2:2004

**EVS-EN ISO 23278:2010**

Hind 80,00

Identne EN ISO 23278:2009

ja identne ISO 23278:2006

**Non-destructive testing of welds - Magnetic particle testing of welds - Acceptance levels**

This International Standard specifies acceptance levels for indications from imperfections in ferromagnetic steel welds detected by magnetic particle testing. The acceptance levels are primarily intended for use during manufacture examination, but where appropriate they can be used for in-service inspection. The acceptance levels in this International Standard are based on detection capabilities that can be expected when using techniques specified in ISO 17638 and parameters recommended in Annex A. The acceptance levels can be related to welding standards, application standards, specifications or codes. Such a relationship is shown in ISO 17635 for ISO 5817.

Keel en

Asendab EVS-EN 1291:1999

**EVS-EN ISO 26304:2010**

Hind 166,00

Identne EN ISO 26304:2009

ja identne ISO 26304:2008

**Welding consumables - Solid wire electrodes, tubular cored electrodes and electrode-flux combinations for submerged arc welding of high strength steels - Classification**

This International Standard specifies requirements for classification of solid wire electrodes, tubular cored electrodes, and electrode/flux combinations (all-weld metal deposits) in the as-welded condition and in the post weld heat-treated condition for submerged arc welding of high strength steels with a minimum yield strength greater than 500 MPa or a minimum tensile strength greater than 570 MPa. One flux can be tested and classified with different electrodes. One electrode can be tested and classified with different fluxes. The solid wire electrode is also classified separately based on its chemical composition.

Keel en

Asendab EVS-EN 14295:2004

**EVS-EN ISO 28927-1:2010**

Hind 198,00

Identne EN ISO 28927-1:2009

ja identne ISO 28927-1:2009

**Kantavad käeshoitavad ajamiga tööriistad.****Katsemeetodid vibratsiooni mõõtmiseks. Osa 1:  
Nurga- ja tasapinnalihvijad**

This part of ISO 28927 specifies a laboratory method for measuring hand-transmitted vibration emission at the handles of hand-held power-driven angle and vertical grinders. It is a type-test procedure for establishing the magnitude of vibration in the gripping areas of a machine fitted with a specified test wheel and run under no-load conditions. The method has been established for surface grinding tasks only. Cutting and sanding generally create lower vibrations. It is intended that the results be used to compare different models of the same type of machine. This part of ISO 28927 is applicable to hand-held machines (see Clause 5), driven pneumatically or by other means, intended for grinding, cutting-off and rough sanding, with bonded, coated and super-abrasive products for use on all kinds of materials. It is not applicable to grinders used with wire brushes, nor is it applicable to die or straight grinders.

Keel en

Asendab EVS-EN ISO 8662-4:1999

**EVS-EN ISO 28927-2:2010**

Hind 229,00

Identne EN ISO 28927-2:2009

ja identne ISO 28927-2:2009

**Kantavad käeshoitavad ajamiga tööriistad.****Katsemeetodid vibratsiooni mõõtmiseks. Osa 2:  
Kruvikeerajad, mutrivõtmed ja kruustangid**

This part of ISO 28927 specifies a laboratory method for measuring hand-transmitted vibration emission at the handles of hand-held power-driven wrenches, nutrunners and screwdrivers used for tightening and loosening threaded fasteners. It is a type-test procedure for establishing the magnitude of vibration in the gripping areas of a machine when operating at a specified load. The method has been tested for fastening tasks only. It is intended that the results be used to compare different models of the same type of machine. This part of ISO 28927 is applicable to hand-held machines (see Clause 5), driven pneumatically or by other means, with impact or impulse action, of shut-off, ratchet or stall type, and of all designs — straight, pistol-grip, angle or bow handle. It covers machines with 6,3 mm to 40 mm (1/4 in to 1 1/2 in) male or female drive output shafts, as well as other geometries. It is not applicable to nutrunners designed to be used only in torque reaction arms.

Keel en

Asendab EVS-EN ISO 8662-7:1999

**EVS-EN ISO 28927-3:2010**

Hind 188,00

Identne EN ISO 28927-3:2009

ja identne ISO 28927-3:2009

**Kantavad käeshoitavad ajamiga tööriistad.****Katsemeetodid vibratsiooni mõõtmiseks. Osa 3:  
Poleerseadmed ning pöörlevad, tald- ning  
ekstsentrilivmasinad**

This part of ISO 28927 specifies a laboratory method for measuring hand-transmitted vibration emission at the handles of hand-held, power-driven, portable polishers and rotary, orbital and random orbital sanders used for surface-finishing processes, not for material removal. It is a type-test procedure for establishing the magnitude of vibration in the gripping areas of a machine when operating under type-test conditions. It is intended that the results be used to compare different models of the same type of machine. This part of ISO 28927 is applicable to hand-held machines (see Clause 5), driven pneumatically or by other means. It is not applicable to straight grinders equipped with a sanding wheel or to belt sanders.

Keel en

Asendab EVS-EN ISO 8662-8:1999

**EVS-EN ISO 28927-5:2010**

Hind 178,00

Identne EN ISO 28927-5:2009

ja identne ISO 28927-5:2009

**Kantavad käeshoitavad ajamiga tööriistad.****Katsemeetodid vibratsiooni mõõtmiseks. Osa 5:  
Trellid ja lööktrellid**

This part of ISO 28927 specifies a laboratory method for measuring hand-transmitted vibration emission at the handles of hand-held, power-driven drills and impact drills. It is a type-test procedure for establishing the magnitude of vibration in the gripping areas of a drill fitted with a drill bit. It is intended that the results be used to compare different models of the same type of machine. This part of ISO 28927 is applicable to straight drills, drills with a pistol-grip and angle drills intended for drilling holes with rotating or impact action in all kinds of materials (see Clause 5), driven pneumatically or by other means. It is not applicable to heavy-duty drills with a screw feed or drills driven by a combustion engine.

Keel en

Asendab EVS-EN ISO 8662-6:1999

**EVS-EN ISO 28927-6:2010**

Hind 166,00

Identne EN ISO 28927-6:2009

ja identne ISO 28927-6:2009

**Kantavad käeshoitavad ajamiga tööriistad.****Katsemeetodid vibratsiooni mõõtmiseks. Osa 6:  
Rammid**

This part of ISO 28927 specifies a laboratory method for measuring hand-transmitted vibration emission at the handles of hand-held, power-driven rammers. It is a type-test procedure for establishing the magnitude of vibration in the gripping areas of a machine run under specified test conditions. It is intended that the results be used to compare different models of the same type of machine. This part of ISO 28927 is applicable to rammers, back-fill rammers, paving rammers, sand rammers and stampers (see Clause 5), driven pneumatically or by other means, intended for use in foundries, on building sites, etc., and with, for example, butts or peens made of cast iron or rubber, used for ramming of casting sand or in stamping work.

Keel en

Asendab EVS-EN ISO 8662-9:1999

**EVS-EN ISO 28927-7:2010**

Hind 166,00

Identne EN ISO 28927-7:2009

ja identne ISO 28927-7:2009

**Kantavad käeshoitavad ajamiga tööriistad.****Katsemeetodid vibratsiooni mõõtmiseks. Osa 7:  
Plekikärid ja -lõikurid**

This part of ISO 28927 specifies a laboratory method for measuring hand-transmitted vibration emission at the handles of hand-held, power-driven nibblers and shears. It is a type-test procedure for establishing the magnitude of vibration in the gripping areas of a machine run under specified test conditions. It is intended that the results be used to compare different models of the same type of machine. This part of ISO 28927 is applicable to nibblers and shears (see Clause 5), driven pneumatically or by other means, intended for cutting sheet metal or composite materials.

Keel en

Asendab EVS-EN ISO 8662-10:1999

**EVS-EN ISO 28927-8:2010**

Hind 188,00

Identne EN ISO 28927-8:2009

ja identne ISO 28927-8:2009

**Kantavad käeshoitavad ajamiga tööriistad.****Katsemeetodid vibratsiooni mõõtmiseks. Osa 8:  
Edasi-tagasi liikuva tööorganiga saed ja viilid ning  
võnkuva või pöörleva tööorganiga saed**

This part of ISO 28927 specifies a laboratory method for measuring hand-transmitted vibration emission at the handles of hand-held, power-driven saws, polishing and filing machines with reciprocating action and small saws with oscillating or rotating action. It is a type-test procedure for establishing the magnitude of vibration in the gripping areas of a machine run under specified test conditions. It is intended that the results be used to compare different models of the same type of machine. This part of ISO 28927 is applicable to reciprocating files intended for surface finishing equipped with a file or polishing tool, saws intended for parting sheets, plaster for medical use or wood, or equipped with a saw blade for use on all kinds of materials, and small circular saws primarily intended for cutting metal or composite materials (see Clause 5), whether driven pneumatically or by other means. It is not applicable to files that are normally used with one hand on the file blade, nor to large circular saws intended for cutting wood.

Keel en

Asendab EVS-EN ISO 8662-12:1999

**EVS-EN ISO 28927-9:2010**

Hind 166,00

Identne EN ISO 28927-9:2009

ja identne ISO 28927-9:2009

**Kantavad käeshoitavad ajamiga tööriistad.****Katsemeetodid vibratsiooni mõõtmiseks. Osa 9:  
Kivitöötlemissaadmed ja piikpuhastusvasarad**

This part of ISO 28927 specifies a laboratory method for measuring hand-transmitted vibration emission at the handles of hand-held, power-driven scaling hammers and needle scalers. It is a type-test procedure for establishing the magnitude of vibration in the gripping areas of a machine run under specified test conditions. It is intended that the results be used to compare different models of the same type of machine. This part of ISO 28927 is applicable to engraving pens, scabblers, scaling hammers and needle scalers (see Clause 5), driven pneumatically or by other means, intended for paint, rust or scale removal with reciprocating work tools or needles and for all kinds of materials.

Keel en

Asendab EVS-EN ISO 8662-14:1999

**ASENDATUD VÕI TÜHISTATUD STANDARDID****EVS-EN 1289:1999/A2:2004**

Identne EN 1289:1998/A2:2003

**Keevisõmbluste mittepurustav kontrollimine.****Keevisõmbluste katsetamine kapillaarmeetodil  
(immutusvedelikega). Tehnilistele tingimustele  
vastavuse tasemed**

Käesolev Euroopa standard määrab kindlaks tehnilistele tingimustele vastavuse tasemed metalsete keevisõmbluste kapillaarmeetodil (immutusvedelike meetodil) avastatud ja pinda rikkuvate keevitusvigade tunnusjälgede järgi.

Keel en

Asendatud EVS-EN ISO 23277:2010

**EVS-EN 1289:1999**

Identne EN 1289:1998

**Keevisõmbuste mittepurustav kontrollimine. Keevisõmbuste katsetamine kapillaarmetodil (immutusvedelikega). Tehnilistele tingimustele vastavuse tasemed**

Käesolev Euroopa standard määrab kindlaks tehnilistele tingimustele vastavuse tasemed metalsete keevisõmbuste kapillaarmetodil (immutusvedelike meetodil) avastatud ja pinda rikkuvate keevitusvigade tunnustajalgedega järgi.

Keel en

Asendatud EVS-EN ISO 23277:2010

**EVS-EN 1289:1999/A1:2002**

Identne EN 1289:1998/A1:2002

**Keevisõmbuste mittepurustav kontrollimine. Keevisõmbuste katsetamine kapillaarmetodil (immutusvedelikega). Tehnilistele tingimustele vastavuse tasemed**

Käesolev Euroopa standard määrab kindlaks tehnilistele tingimustele vastavuse tasemed metalsete keevisõmbuste kapillaarmetodil (immutusvedelike meetodil) avastatud ja pinda rikkuvate keevitusvigade tunnustajalgedega järgi.

Keel en

Asendatud EVS-EN ISO 23277:2010

**EVS-EN 1290:1999**

Identne EN 1290:1998

**Keevituste mittepurustav katsetamine. Keevituste magnetosakeste uurimine**

This standard specifies magnetic particle examination techniques for the detection of surface imperfections in ferromagnetic welds including the heat affected zones using the magnetic method.

Keel en

Asendatud EVS-EN ISO 17638:2010

**EVS-EN 1291:1999**

Identne EN 1291:1998

**Keevisõmbuste mittepurustav kontrollimine. Keevisõmbuste katsetamine magnetpulbriga. Tehnilistele tingimustele vastavuse tasemed**

Käesolev Euroopa standard määrab kindlaks tehnilistele tingimustele vastavuse tasemed ferromagnetiliste teraste keevisõmbuste defektide magnetpulbermeetodil saadud keevitusvigade tunnustajalgedega järgi.

Keel en

Asendatud EVS-EN ISO 23278:2010

**EVS-EN 1708-1:1999/A1:2004**

Identne EN 1708-1:1999/A1:2003

**Keevitamine. Terasest keevitusõmbuluse põhilised detailid . Osa 1: Kõrgrõhu komponendid**

The purpose of this standard is to exemplify commonly accepted welded connections in pressure systems.

Keel en

Asendatud EVS-EN 1708-1:2010

**EVS-EN 1708-1:1999**

Identne EN 1708-1:1999

**Keevitamine. Terasest keevitusõmbuluse põhilised detailid . Osa 1: Kõrgrõhu komponendid**

The purpose of this standard is to exemplify commonly accepted welded connections in pressure systems.

Keel en

Asendatud EVS-EN 1708-1:2010

**EVS-EN 14295:2004**

Identne EN 14295:2003

**Welding consumables - Wire and tubular cored electrodes and electrode-flux combinations for submerged arc welding of high strength steels - Classification**

This standard specifies requirements for classification of electrode-flux combinations and all-weld metal in the as welded or stress relieved condition for submerged arc welding of steels with a minimum yield strength higher than 500 MPa. One flux may be classified with different electrodes. The wire electrode is also classified separately based on its chemical composition.

Keel en

Asendatud EVS-EN ISO 26304:2010

**EVS-EN 60745-2-4:2003**

Identne EN 60745-2-4:2003

ja identne IEC 60745-2-4:2002

**Käsimootoriga elektrilised tööriistad. Ohutus. Osad 2-4: Erinõuded mitte ketastüübilistele lihvimis- ja poleerimismasinadele**

This standard applies to sanders with the exception of all types of disc-type sanders which are covered by EN 50144-2-3.

Keel en

Asendab EVS-EN 50144-2-4:2001

Asendatud EVS-EN 60745-2-4:2010

**EVS-EN 60745-2-4:2003/A11:2007**

Identne EN 60745-2-4:2003/A11:2007

**Käsimootoriga elektrilised tööriistad. Ohutus. Osad 2-4: Erinõuded mitte ketastüübilistele lihvimis- ja poleerimismasinadele**

This standard applies to sanders with the exception of all types of disc-type sanders which are covered by EN 50144-2-3.

Keel en

Asendatud EVS-EN 60745-2-4:2010

**EVS-EN 60745-2-4:2003/A1:2009**

Identne EN 60745-2-4:2003/A1:2009

ja identne IEC 60745-2-4:2002/A1:2008

**Käsimootoriga elektrilised tööriistad. Ohutus. Osad 2-4: Erinõuded mitte ketastüübilistele lihvimis- ja poleerimismasinadele**

This standard applies to sanders and polishers with the exception of all types of disc-type tools, which are covered by IEC 60745-2-3. Tools covered by this standard include but are not limited to belt sanders, reciprocating sanders or polishers, orbital sanders or polishers, and random orbit sanders or polishers.

Keel en

Asendatud EVS-EN 60745-2-4:2010

**EVS-EN ISO 8662-4:1999**

Identne EN ISO 8662-4:1995

ja identne ISO 8662-4:1994

**Kantavad käeshoitavad ajamiga tööriistad. Vibratsiooni mõõtmine käepidemel. Osa 4: Lihvseadmed**

See standard esitab laborimeetodi vibratsiooni mõõtmiseks käeshoitavate ajamiga lihvseadmete käepidemel. See on tüüpikate protseduur, milles määratakse kindlaks vibratsiooni tugevus spetsiaalse teimikettaga tööriista käepidemel.

Keel en

Asendatud EVS-EN ISO 28927-1:2010

**EVS-EN ISO 8662-6:1999**

Identne EN ISO 8662-6:1995

ja identne ISO 8662-6:1994

**Kantavad käeshoitavad ajamiga tööriistad.****Vibratsiooni mõõtmine käepidemel. Osa 6: Lööktrellid**

This part of ISO 12966 specifies a rapid base-catalysed transesterification method for fats and oils with trimethylsulfonium hydroxide (TMSH) to prepare fatty acid methyl esters. The method is exclusively applicable to the preparation of methyl esters of fats and oils for gas liquid chromatographic (GLC) analysis. It is applicable to all fats and oils including milk fat and blends containing milk fat. Isomerization of unsaturated fatty acids only occurs to a minor extent and isomerized fatty acids are only present at the determination limit. As isomerization takes place, the procedure is not recommended for conjugated linoleic acid (CLA). As CLA is not correctly analysed, this method is not applicable to the determination of the complete fatty acid composition of milk fat samples.

Keel en

Asendatud EVS-EN ISO 28927-5:2010

**EVS-EN ISO 8662-7:1999**

Identne EN ISO 8662-7:1997

ja identne ISO 8662-7:1997

**Kantavad käeshoitavad ajamiga tööriistad.****Vibratsiooni mõõtmine käepidemel. Osa 7:****Mutrivõtmed, kruvitsad ja löök-, impulss- või pörktoimega mutrikeerikud**

See standard esitab laborimeetodi vibratsiooni mõõtmiseks mutrivõtmete, kruvitsate ja löök-, impulss-, katke- või pörktoimega mutrikeerikute käepidemel.

Keel en

Asendatud EVS-EN ISO 28927-2:2010

**EVS-EN ISO 8662-8:1999**

Identne EN ISO 8662-8:1997

ja identne ISO 8662-8:1997

**Kantavad käeshoitavad ajamiga tööriistad.****Vibratsiooni mõõtmine käepidemel. Osa 8:****Poleerseadmed ning pöörlevad, tald- ning ekstsentrilivmasinad**

See standard esitab laborimeetodi vibratsiooni mõõtmiseks käeshoitava pneumoajamiga poleerseadmete, pöörlevate, tald- või ekstsentrilivmasinate käepidemel.

Keel en

Asendatud EVS-EN ISO 28927-3:2010

**EVS-EN ISO 8662-9:1999**

Identne EN ISO 8662-9:1996

ja identne ISO 8662-9:1996

**Kantavad käeshoitavad ajamiga tööriistad.****Vibratsiooni mõõtmine käepidemel. Osa 9: Rammid**

See standard esitab tüüpkatsetustel ja võrdlusotstarbel kasutatava laborimeetodi vibratsiooni mõõtmiseks käeshoitavate ajamiga rammide käepidemel.

Keel en

Asendatud EVS-EN ISO 28927-6:2010

**EVS-EN ISO 8662-10:1999**

Identne EN ISO 8662-10:1998 + AC:2002

ja identne ISO 8662-10:1998

**Kantavad käeshoitavad ajamiga tööriistad.****Vibratsiooni mõõtmine käepidemel. Osa 10:****Plekikäärid ja -löikurid**

See standard esitab laborimeetodi vibratsiooni mõõtmiseks käeshoitavate pneumoajamiga plekikääride ja -löikurite käepidemel.

Keel en

Asendatud EVS-EN ISO 28927-7:2010

**EVS-EN ISO 8662-12:1999**

Identne EN ISO 8662-12:1997

ja identne ISO 8662-12:1997

**Kantavad käeshoitavad ajamiga tööriistad.****Vibratsiooni mõõtmine käepidemel. Osa 12: Edasi-tagasi liikuva tööorganiga saed ja viilid ning võnkuva või pöörleva tööorganiga saed**

See standard esitab laborimeetodi vibratsiooni mõõtmiseks käeshoitavate edasi-tagasi liikuva, pöörleva või võnkuva tööorganiga pneumosaagide või edasi-tagasi liikuva tööorganiga viilide käepidemel.

Keel en

Asendatud EVS-EN ISO 28927-8:2010

**EVS-EN ISO 8662-14:1999**

Identne EN ISO 8662-14:1996

ja identne ISO 8662-14:1996

**Kantavad käeshoitavad ajamiga tööriistad.****Vibratsiooni mõõtmine käepidemel. Osa 14:****Kivitöötlemisseadmed ja piikpuhastusvasarad**

See standard esitab tüüpkatsetustel ja võrdlusotstarbel kasutatava laborimeetodi vibratsiooni mõõtmiseks käeshoitavate ajamiga kivitöötlemisseadmete ja piikpuhastusvasarate käepidemel.

Keel en

Asendatud EVS-EN ISO 28927-9:2010

**EVS-EN ISO 14343:2007**

Identne EN ISO 14343:2007

ja identne ISO 14343:2002 and ISO

14343:2002/Amd1:2006

**Keevitustarvikud. Elektroottraadid, elektrootribad, roostevaba ja kuumakindla terase sulakeevitusel kasutatavad traadid ja vardad. Klassifikatsioon**

This International Standard specifies requirements for classification of wire electrodes, wires and rods for gasshielded metal arc welding, gas tungsten arc welding, plasma arc welding, submerged arc welding and laser beam welding of stainless and heat resisting steels. The classification of the wire electrodes, wires and rods is based upon their chemical composition.

Keel en

Asendab EVS-EN 12072:2000

Asendatud EVS-EN ISO 14343:2010

**EVS-EN ISO 14713:2001**

Identne EN ISO 14713:1999

ja identne ISO 14713:1999

**Protection against corrosion of iron and steel in structures - Zinc and aluminium coatings - Guidelines**

This standard gives guidance on the corrosion protection of iron and steel in structures, including connections, by metallic coatings.

Keel en

Asendatud EVS-EN ISO 14713-1:2010; EVS-EN ISO 14713-2:2010

## **KAVANDITE ARVAMUSKÜSITLUS**

### **EN 14730-1:2006/FprA1**

Identne EN 14730-1:2006/FprA1:2010

Tähtaeg 29.04.2010

#### **Railway applications - Track - Aluminothermic welding of rails - Part 1: Approval of welding processes**

This standard defines the laboratory tests and requirements for approval of an aluminothermic welding process using welds produced in workshop conditions. It applies to the joining of new, Vignole rails as described in EN 13674-1 of the same profile and steel grade. Compliance with the requirements of this standard does not of itself ensure the suitability of a welding process for specific conditions of track and traffic. The standard does not cover welds made between different rail sections, differently worn rails and different rail grades. In addition to the definitive requirements this standard also requires the items detailed in Clause 4 to be documented. For compliance with this standard, it is important that both the definitive requirements and the documented items be satisfied.

Keel en

### **EN 61029-2-4:2003/FprAB**

Identne EN 61029-2-4:2003/FprAB:2009

Tähtaeg 29.04.2010

#### **Teisaldatavate mootorajamiga elektritööriistade ohutus. Osa 2-4: Erinõuded lihvpinkidele**

Applies to bench grinders with a wheel diameter not exceeding 200 mm and a peripheral speed not exceeding 50 m/s.

Keel en

### **prEN 12732**

Identne prEN 12732:2009

Tähtaeg 29.04.2010

#### **Gas infrastructure - Welding steel pipework - Functional requirements**

This European Standard contains requirements for the production and testing of weld joints for the installation and modification of onshore steel pipelines and pipework used in gas supply systems, including in-service pipelines, for all pressure ranges for the carriage of processed, non-toxic and non-corrosive natural gas according to EN ISO 13686, where - the pipeline elements are made of unalloyed or low-alloyed carbon steel; - the pipeline is not located within commercial or industrial premises as integral part of the industrial process on those premises except for any pipelines and facilities supplying such premises; - the pipework is not located within household installations according to EN 1775; - the design temperature of the system is between -40 °C and 120 °C inclusive.

Keel en

Asendab EVS-EN 12732:2007

### **prEN ISO 10882-1**

Identne prEN ISO 10882-1:2009

ja identne ISO/DIS 10882-1:2009

Tähtaeg 29.04.2010

#### **Health and safety in welding and allied processes - Sampling of airborne particles and gases in the operator's breathing zone - Part 1: Sampling of airborne particles**

This Part of ISO 10882 specifies a procedure for personal sampling of airborne particles from welding and allied processes. It also specifies a procedure for gravimetric determination of personal exposure to airborne particles in the operator's breathing zone and provides references to suitable methods, described in other standards, on the use of chemical analysis to determine personal exposure to specific chemical agents present in welding fume and other airborne particles generated by welding related operations. The general background level of airborne particles in the workplace atmosphere influences personal exposure and therefore the role of fixed point sampling is also considered.

Keel en

Asendab EVS-EN ISO 10882-1:2001

### **prEN ISO 11127-1**

Identne prEN ISO 11127-1:2009

ja identne ISO/DIS 11127-1:2009

Tähtaeg 29.04.2010

#### **Teraspindade ettevalmistamine enne värvide ja samalaadsete toodete pealekandmist. Mittemetalliliste jugapuhastusabasiivide katsemeetodid. Osa 1: Proovivõtmine**

This is one of a number of parts of ISO 11127 dealing with the sampling and testing of non-metallic abrasives for blast-cleaning. The types of non-metallic abrasive and requirements on each are contained in ISO 11126. The ISO 11126 and ISO 11127 series have been drafted as a coherent set of International Standards on non-metallic blast-cleaning abrasives. Information on all parts of both series is given in annex B. This part of ISO 11127 specifies a method for the sampling of non-metallic blast-cleaning abrasives from consignments and for the subdivision of the sample into quantities suitable for undertaking the appropriate test methods specified in other parts of ISO 11127.

Keel en

Asendab EVS-EN ISO 11127-1:2000

#### **prEN ISO 11127-2**

Identne prEN ISO 11127-2:2009  
ja identne ISO/DIS 11127-2:2009  
Tähtaeg 29.04.2010

**Teraspindade ettevalmistamine enne värvide ja samalaadsete toodete pealekandmist. Mittemetalliliste jugapuhastusabrsiivide katsetamise meetodid. Osa 2: Osakeste suurusjaotuse määramine**

This is one of a number of parts of ISO 11127 dealing with the sampling and testing of non-metallic abrasives for blast-cleaning. The types of non-metallic abrasive and requirements on each are contained in ISO 11126. The ISO 11126 and ISO 11127 series have been drafted as a coherent set of International Standards on non-metallic blast-cleaning abrasives. Information on all parts of both series is given in annex A. This part of ISO 11127 specifies a method for the determination of the particle size distribution of non-metallic blast-cleaning abrasives by sieving.

Keel en

Asendab EVS-EN ISO 11127-2:2000

#### **prEN ISO 11127-3**

Identne prEN ISO 11127-3:2009  
ja identne ISO/DIS 11127-3:2009  
Tähtaeg 29.04.2010

**Teraspindade ettevalmistamine enne värvide ja nendega seotud materjalide pealekandmist. Mittemetalliliste jugapuhastusabrsiivide katsemeetodid. Osa 3: Näivtiheduse määramine**

This is one of a number of parts of ISO 11127 dealing with the sampling and testing of non-metallic abrasives for blast-cleaning. The types of non-metallic abrasive and requirements on each are contained in ISO 11126. The ISO 11126 and ISO 11127 series have been drafted as a coherent set of International Standards on non-metallic blast-cleaning abrasives. Information on all parts of both series is given in annex A. This part of ISO 11127 specifies a method for the determination of the apparent density of non-metallic blast-cleaning abrasives.

Keel en

Asendab EVS-EN ISO 11127-3:1999

#### **prEN ISO 11127-4**

Identne prEN ISO 11127-4:2009  
ja identne ISO/DIS 11127-4  
Tähtaeg 29.04.2010

**Teraspindade ettevalmistamine enne värvide ja nendega seotud materjalide pealekandmist. Mittemetalliliste jugapuhastusabrsiivide katsemeetodid. Osa 4: Kõvaduse määramine klaasinihkekatsega**

This is one of a number of parts of ISO 11127 dealing with the sampling and testing of non-metallic abrasives for blast-cleaning. The types of non-metallic abrasive and requirements on each are contained in ISO 11126. The ISO 11126 and ISO 11127 series have been drafted as a coherent set of International Standards on non-metallic blast-cleaning abrasives. Information on all parts of both series is given in annex A. This part of ISO 11127 specifies a method of assessing whether a non-metallic blast-cleaning abrasive has a minimum hardness of 6 on Mohs' scale.

Keel en

Asendab EVS-EN ISO 11127-4:1999

#### **prEN ISO 11127-5**

Identne prEN ISO 11127-5:2009  
ja identne ISO/DIS 11127-5:2009  
Tähtaeg 29.04.2010

**Teraspindade ettevalmistamine enne värvide ja nendega seotud materjalide pealekandmist. Mittemetalliliste jugapuhastusabrsiivide katsemeetodid. Osa 5: Niiskuse määramine**

This is one of a number of parts of ISO 11127 dealing with the sampling and testing of non-metallic abrasives for blast-cleaning. The types of non-metallic abrasive and requirements on each are contained in ISO 11126. The ISO 11126 and ISO 11127 series have been drafted as a coherent set of International Standards on non-metallic blast-cleaning abrasives. Information on all parts of both series is given in annex A. This part of ISO 11127 specifies a method for the determination of the level of free moisture present in non-metallic blast-cleaning abrasives. It is determined by measuring the mass lost on heating.

Keel en

Asendab EVS-EN ISO 11127-5:1999

#### **prEN ISO 11127-6**

Identne prEN ISO 11127-6:2009  
ja identne ISO/DIS 11127-6:2009  
Tähtaeg 29.04.2010

**Teraspindade ettevalmistamine enne värvide ja nendega seotud materjalide pealekandmist. Mittemetalliliste jugapuhastusabrsiivide katsemeetodid. Osa 6: Veepuhastuvate kahjulike lisandite konduktomeetriline määramine**

This is one of a number of parts of ISO 11127 dealing with the sampling and testing of non-metallic abrasives for blast-cleaning. The types of non-metallic abrasive and requirements on each are contained in ISO 11126. The ISO 11126 and ISO 11127 series have been drafted as a coherent set of International Standards on non-metallic blast-cleaning abrasives. Information on all parts of both series is given in annex A. This part of ISO 11127 specifies a method for the determination of water-soluble contaminants in non-metallic blast-cleaning abrasives by conductivity measurement.

Keel en

Asendab EVS-EN ISO 11127-6:1999

#### **prEN ISO 11127-7**

Identne prEN ISO 11127-7:2009  
ja identne ISO/DIS 11127-7:2009  
Tähtaeg 29.04.2010

**Teraspindade ettevalmistamine enne värvide ja nendega seotud materjalide pealekandmist. Mittemetalliliste jugapuhastusabrsiivide katsemeetodid. Osa 7: Veepuhastuvate kloriidide määramine**

This is one of a number of parts of ISO 11127 dealing with the sampling and testing of non-metallic abrasives for blast-cleaning. The types of non-metallic abrasive and requirements on each are contained in ISO 11126. The ISO 11126 and ISO 11127 series have been drafted as a coherent set of International Standards on non-metallic blast-cleaning abrasives. Information on all parts of both series is given in annex A. This part of ISO 11127 specifies a method for the determination of water-soluble chlorides in non-metallic blast-cleaning abrasives.

Keel en

Asendab EVS-EN ISO 11127-7:1999



## prEN ISO 15011-5

Identne prEN ISO 15011-5:2009

ja identne ISO/DIS 15011-5:2009

Tähtaeg 29.04.2010

### **Health and safety in welding and allied processes - Laboratory method for sampling fume and gases - Part 5: Identification of thermal-degradation products generated when welding or cutting through products composed wholly or partly of organic materials using pyrolysis-gas**

This standard specifies procedures for obtaining information about thermal degradation products generated when welding, cutting through, preheating and straightening metal treated with coatings composed wholly or partly of organic substances, e.g. shop primers, paints, oils, waxes and inter-weld materials such as adhesives and sealants. It is aimed primarily at test laboratories performing such procedures. The data generated can be used by coating manufacturers to provide information for inclusion in safety data sheets and by occupational hygienists to identify thermal degradation products of significance in the performance of risk assessments and/or workplace exposure measurements. The data cannot be used to estimate workplace exposure directly. This standard is applicable to all coatings composed partly or wholly of organic materials that could be heated, during welding and cutting, preheating and straightening to temperatures at which thermal degradation products are generated and where it is not apparent what those degradation products will be.

Keel en

Asendab CEN ISO/TS 15011-5:2006

## **27 ELEKTRI- JA SOOJUSENERGEETIKA**

### **UUED STANDARDID JA PUBLIKATSIOONID**

#### **EVS-EN 60904-4:2010**

Hind 188,00

Identne EN 60904-4:2009

ja identne IEC 60904-4:2009

#### **Photovoltaic devices - Part 4: Reference solar devices - Procedures for establishing calibration traceability**

This part of IEC 60904 sets the requirements for calibration procedures intended to establish the traceability of photovoltaic reference solar devices to SI units as required by IEC 60904-2. This standard applies to photovoltaic (PV) reference solar devices that are used to measure the irradiance of natural or simulated sunlight for the purpose of quantifying the performance of PV devices. The use of a PV reference solar device is required in the application of IEC 60904-1 and IEC 60904-3. This standard has been written with single junction PV reference solar devices in mind, in particular crystalline Silicon. However, the main part of the standard is sufficiently general to include other technologies. The methods described in Annex A, however, are limited to single junction technologies.

Keel en

#### **EVS-EN 62446:2010**

Hind 188,00

Identne EN 62446:2009

ja identne IEC 62446:2009

#### **Grid connected photovoltaic systems - Minimum requirements for system documentation, commissioning tests and inspection**

This International Standard defines the minimal information and documentation required to be handed over to a customer following the installation of a grid connected PV system. This standard also describes the minimum commissioning tests, inspection criteria and documentation expected to verify the safe installation and correct operation of the system. The document can also be used for periodic retesting. This standard is written for grid connected PV systems only and not for AC module systems or systems that utilize energy storage (e.g. batteries) or hybrid systems.

Keel en

### **KAVANDITE ARVAMUSKÜSITLUS**

#### **FprEN 125**

Identne FprEN 125:2010

Tähtaeg 29.04.2010

#### **Seadised gaasipõletusseadmete leegi kontrollimiseks. Termoelektrilised leegi kontrollseadised**

This European Standard specifies the safety, construction and performance requirements for thermoelectric flame supervision devices, energized by a thermocouple intended for use with gas burners, gas appliances and similar use, hereafter referred to as 'controls'. This European Standard is applicable to controls with declared maximum inlet pressures up to and including 500 kPa (5 bar) of nominal connection sizes up to and including DN 50 for use with one or more fuel gases in accordance with EN 437. This European Standard is not applicable to a) the thermocouple; b) controls which use auxiliary energy (e.g. electrical energy supplied externally). NOTE Provisions for final product inspection and testing by the manufacturer are not specified.

Keel en

Asendab EVS-EN 125:1999

#### **FprEN 61226**

Identne FprEN 61226:2009

ja identne IEC 61226:2009

Tähtaeg 29.04.2010

#### **Nuclear power plants - Instrumentation and control important to safety - Classification of instrumentation and control functions**

This International Standard establishes a method of classification of the information and command functions for nuclear power plants, and the I&C systems and equipment that provide those functions, into categories that designate the importance to safety of the function. The resulting classification then determines relevant design criteria. The design criteria are the measures of quality by which the adequacy of each function in relation to its importance to plant safety is ensured. In this standard, the criteria are those of functionality, reliability, performance, environmental durability (including seismic) and quality assurance (QA).

Keel en

### **prEN 50548**

Identne prEN 50548:2009

Tähtaeg 29.04.2010

#### **Junction boxes for photovoltaic modules**

This European Standard applies to junction boxes up to 1 500 V DC for use on photovoltaic modules according to application class A of EN 61730-1:2007.

Keel en

### **prEN ISO 13706**

Identne prEN ISO 13706:2010

ja identne ISO/DIS 13706:2010

Tähtaeg 29.04.2010

#### **Petroleum, petrochemical and natural gas industries - Air-cooled heat exchangers**

This International Standard gives requirements and recommendations for the design, materials, fabrication, inspection, testing and preparation for shipment of air-cooled heat exchangers for use in the petroleum and natural gas industries. This International Standard is applicable to air-cooled heat exchangers with horizontal bundles, but the basic concepts may also be applied to other configurations.

Keel en

Asendab EVS-EN ISO 13706:2005

## **29 ELEKTROTEHNIKA**

### **UUED STANDARDID JA PUBLIKATSIOONID**

#### **EVS-EN 60034-22:2010**

Hind 166,00

Identne EN 60034-22:2009

ja identne IEC 60034-22:2009

#### **Rotating electrical machines - Part 22: AC generators for reciprocating internal combustion (RIC) engine driven generating sets**

This part of IEC 60034 establishes the principal characteristics of a.c. generators under the control of their voltage regulators when used for reciprocating internal combustion (RIC) engine driven generating set applications and supplements the requirements given in IEC 60034-1. It covers the use of such generators for land and marine use, but excludes generating sets used on aircraft or used to propel land vehicles and locomotives.

Keel en

Asendab EVS-EN 60034-22:2002

#### **EVS-EN 60064:2003/A5:2010**

Hind 188,00

Identne EN 60064:1995/A5:2009

ja identne IEC 60064:1993/A5:2009

#### **Tungsten filament lamps for domestic and similar general lighting purposes - Performance requirements**

This International Standard applies to tungsten filament incandescent lamps for general lighting service (GLS) which comply with the safety requirements in IEC 60432-1 and having: – rated wattage of 25 W to 200 W, inclusive; – rated voltage 100 V to 250 V, including marked voltage range not exceeding  $\pm 2,5$  % of the mean voltage1); – bulbs of the A or PS shapes; – bulbs with clear, frosted or equivalently coated finishes, or white finishes; – caps B22d, E26 or E27.

Keel en

#### **EVS-EN 60079-18:2010**

Hind 219,00

Identne EN 60079-18:2009

ja identne IEC 60079-18:2009+AC:2009

#### **Explosive atmospheres - Part 18: Equipment protection by encapsulation "m"**

This part of IEC 60079 gives the specific requirements for the construction, testing and marking of electrical equipment, parts of electrical equipment and Ex components with the type of protection encapsulation "m" intended for use in explosive gas atmospheres or explosive dust atmospheres. This part applies only for encapsulated electrical equipment, encapsulated parts of electrical equipment and encapsulated Ex components (hereinafter always referred to as "m" equipment) where the rated voltage does not exceed 11 kV. The application of electrical equipment in atmospheres, which may contain explosive gas as well as combustible dust simultaneously may require additional protective measures. This standard does not apply to dusts of explosives, which do not require atmospheric oxygen for combustion, or to pyrophoric substances. This standard does not take account of any risk due to an emission of flammable or toxic gas from the dust. This standard supplements and modifies the general requirements of IEC 60079-0. Where a requirement of this standard conflicts with a requirement of IEC 60079-0, the requirement of this standard shall take precedence.

Keel en

Asendab EVS-EN 60079-18:2004; EVS-EN 61241-18:2004

#### **EVS-EN 60112:2003/A1:2010**

Hind 80,00

Identne EN 60112:2003/A1:2009

ja identne IEC 60112:2003/A1:2009

#### **Method for the determination of the proof and the comparative tracking indices of solid insulating materials**

Specifies the method of test for the determination of the proof and comparative tracking indices of solid insulating materials on pieces taken from parts of equipment and on plaques of material using alternating voltages. The standard provides for the det

Keel en

#### **EVS-EN 60204-11:2002/AC:2010**

Hind 0,00

Identne EN 60204-11:2000/Corr:2010

#### **Masinate ohutus. Masinate elektriseadmestik. Osa 11: Nõuded kõrgepinge seadmestikule vahelduvvoolu pingele üle 1000 V või alalisvoolu pingele üle 1500 V ja mis ei ületa 36 Kv**

Keel en

**EVS-EN 60282-1:2010**

Hind 315,00

Identne EN 60282-1:2009

ja identne IEC 60282-1:2009

**High-voltage fuses Part 1: Current-limiting fuses**

This part of IEC 60282 applies to all types of high-voltage current-limiting fuses designed for use outdoors or indoors on alternating current systems of 50 Hz and 60 Hz and of rated voltages exceeding 1 000 V. Some fuses are provided with fuse-links equipped with an indicating device or a striker. These fuses come within the scope of this standard, but the correct operation of the striker in combination with the tripping mechanism of the switching device is outside the scope of this standard; see IEC 62271-105.

Keel en

Asendab EVS-EN 60282-1:2006

**EVS-EN 60320-2-4:2006/A1:2010**

Hind 135,00

Identne EN 60320-2-4:2006/A1:2009

ja identne IEC 60320-2-4:2005/A1:2009

**Majapidamis- ja muude taoliste üldtarbeseadmete seadme-pistikühendused. Osa 2-4: Seadme kaalust sõltuva ühendatusega seadme-pistikühendused**

This standard is applicable to two-pole appliance couplers for a.c. only, with or without earthing contact, with a rated voltage not exceeding 250 V and a rated current not exceeding 16 A, for household and similar general purposes and intended for incorporation or integration within electric appliances or other electric equipment of multi part construction for 50 Hz or 60 Hz supply which depend on the weight of the appliance to ensure correct engagement.

Keel en

**EVS-EN 60626-2:2010**

Hind 124,00

Identne EN 60626-2:2009

ja identne IEC 60626-2:2009

**Combined flexible materials for electrical insulation - Part 2: Methods of test**

This International Standard provides the test methods for combined flexible materials for electrical insulation. Some properties and relevant test methods, according to the performance requirements of IEC 60626-3, were confirmed. Other test methods are described as a supplement of guidance for further specification that could be agreed between customer and supplier to meet specific needs of the end use. Materials which conform to this specification meet established levels of performance. However, the selection of material by a user for a specific application should be based on the actual requirements necessary for adequate performance in that application and not based on this specification alone. SAFETY WARNING It is the responsibility of the user of the methods contained or referred to in this document to ensure that they are used in a safe manner.

Keel en

Asendab EVS-EN 60626-2:2006

**EVS-EN 60644:2010**

Hind 135,00

Identne EN 60644:2009

ja identne IEC 60644:2009

**Specification for high-voltage fuse-links for motor circuit applications**

This standard applies primarily to fuse-links used with motors started direct-on-line on alternating current systems of 50 Hz and 60 Hz. NOTE When motors are used with assisted starting this specification can also be applied but particular attention should be paid to the selection of the rated current of the fuse-link (see 8.1) and the manufacturer of the fuse-link should preferably be consulted. Fuse-links according to this specification are intended to withstand normal service conditions and motor starting pulses. They should comply with the requirements of IEC 60282-1. The purpose of this standard is to standardize time-current characteristics, to formulate pulse withstand requirements regarding testing and to give guidance regarding the selection of fuse-links intended to be used with motors.

Keel en

Asendab EVS-EN 60644:2002

**EVS-EN 60851-1:2003/A2:2010**

Hind 80,00

Identne EN 60851-1:1996/A2:2009

ja identne IEC 60851-1:1996/A2:2009

**Winding wires - Test methods - Part 1: General**

This part of IEC 851 specifies the general notes on methods of test for winding wires. It also gives the definitions for terms used in IEC 851. A survey of the contents of part 2 to part 6 of IEC 851 is given in annex A.

Keel en

**EVS-EN 60851-2:2010**

Hind 124,00

Identne EN 60851-2:2009

ja identne IEC 60851-2:2009

**Winding wires - Test methods - Part 2: Determination of dimensions**

This part of IEC 60851 specifies the following method of test: – Test 4: Dimensions. For definitions, general notes on methods of test and the complete series of methods of test for winding wires, see IEC 60851-1.

Keel en

Asendab EVS-EN 60851-2:2003; EVS-EN 60851-2:2003/A2:2004

**EVS-EN 60893-3-6:2004/A1:2010**

Hind 80,00

Identne EN 60893-3-6:2004/A1:2009

ja identne IEC 60893-3-6:2003/A1:2009

**Insulating materials - Industrial rigid laminated sheets based on thermosettingresins for electrical purposes - Part 3-6: Specifications for individual materials -Requirements for rigid laminated sheets based on silicone resins**

Gives the requirements for industrial rigid laminated sheets for electrical purposes based on silicone resins and different reinforcements. Applications and distinguishing properties are given. Materials which conform to this specification meet established levels of performance. However, the selection of a material by a user for a specific application should be based on the actual requirements necessary for adequate performance in that application and not based on this specification alone. In this revision of the IEC 60893 series of specifications, new material types have been included, changes have been made to the property requirements of some existing types, a new method for testing permittivity and dissipation factor has been added, and all non-specification data for each type has been moved to a new Part 4 document - IEC 60893-4: Typical values.

Keel en

**EVS-EN 60893-3-7:2004/A1:2010**

Hind 80,00

Identne EN 60893-3-7:2004/A1:2009

ja identne IEC 60893-3-7:2003/A1:2009

**Insulating materials - Industrial rigid laminated sheets based on thermosettingresins for electrical purposes - Part 3-7: Specifications for individual materials -Requirements for rigid laminated sheets based on polyimide resins**

Gives the requirements for industrial rigid laminated sheets for electrical purposes based on polyimide resins and different reinforcements. Applications and distinguishing properties are given. Materials which conform to this specification meet established levels of performance. However, the selection of a material by a user for a specific application should be based on the actual requirements necessary for adequate performance in that application and not based on this specification alone. In this revision of the IEC 60893 series of specifications, new material types have been included, changes have been made to the property requirements of some existing types, a new method for testing permittivity and dissipation factor has been added, and all non-specification data for each type has been moved to a new Part 4 document - IEC 60893-4: Typical values.

Keel en

**EVS-EN 60079-31:2010**

Hind 135,00

Identne EN 60079-31:2009

ja identne IEC 60079-31:2008+AC:2009

**Plahvatusohtlikud keskkonnad. Osa 31: Seadmete kaitse tolmsüttimise eest ümbrisega "t"**

This part of IEC 60079 is applicable to electrical equipment protected by enclosure and surface temperature limitation for use in explosive dust atmospheres. It specifies requirements for design, construction and testing of electrical equipment. This standard supplements and modifies the general requirements of IEC 60079-0. Where a requirement of this standard conflicts with a requirement of IEC 60079-0, the requirement of this standard shall take precedence. This standard does not apply to dusts of explosives, which do not require atmospheric oxygen for combustion, or to pyrophoric substances. This standard does not apply to electrical equipment intended for use in underground parts of mines as well as those parts of surface installations of such mines endangered by firedamp and/or combustible dust. This standard does not take account of any risk due to an emission of flammable or toxic gas from the dust.

Keel en

Asendab EVS-EN 61241-1:2004

**EVS-EN 61477:2009/AC:2010**

Hind 0,00

Identne EN 61477:2009/Corr:2010

**Live working - Minimum requirements for the utilization of tools, devices and equipment**

Keel en

**EVS-EN 61496-1:2004/AC:2010**

Hind 0,00

Identne EN 61496-1:2004/Corr:2010

**Masinate ohutus. Elektritundlik kaitseseedmestik. Osa 1: Üldnõuded ja katsed**

Keel en

**EVS-EN 61558-2-16:2010**

Hind 219,00

Identne EN 61558-2-16:2009

ja identne IEC 61558-2-16:2009

**Pingele kuni 1100 V ettenähtud transformaatorite, reaktorite, energiarustusüksuste ja muude taoliste seadmete ohutus. Osa 2-16: Erinõuded ja katsetusviisid lülitatavatele energiarustusüksustele ja nende jaoks ettenähtud trafodele**

This part of IEC 61558 deals with the safety of switch mode power supply units and transformers for switch mode power supply units. Transformers incorporating electronic circuits are also covered by this standard.

Keel en

Asendab EVS-EN 61558-2-17:2001

**EVS-EN 62061:2005/AC:2010**

Hind 0,00

Identne EN 62061:2005/Corr:2010

**Masinate ohutus. Ohutusega seotud elektriliste, elektrooniliste ja programmeeritavate elektrooniliste kontrollsüsteemide funktsionaalne ohutus**

Keel en

#### **EVS-EN 62080:2010**

Hind 315,00

Identne EN 62080:2009

ja identne IEC 62080:2001+A1:2008

#### **Majapidamises ja muudel taolistel eesmärkidel kasutatavad helisignaalseadmed**

This International Standard applies to sound signalling devices with integral enclosures or to sound signalling devices intended to be fitted into or supplied with enclosures according to IEC 60670 intended for household and similar purposes with rated voltages not exceeding 250 V a.c. or 250 V d.c. and with rated power inputs not exceeding 100 VA. In these sound signalling devices an indicating light having a rated input power not exceeding 10 VA may also be incorporated.

Keel en

#### **EVS-EN 62110:2010**

Hind 256,00

Identne EN 62110:2009

ja identne IEC 62110:2009

#### **Electric and magnetic field levels generated by AC power systems - Measurement procedures with regard to public exposure**

This International Standard establishes measurement procedures for electric and magnetic field levels generated by AC power systems to evaluate the exposure levels of the human body to these fields. This standard is not applicable to DC power transmission systems. This International Standard is applicable to public exposure in the domestic environment and in areas accessible to the public. This standard specifies fundamental procedures for the measurement of fields, and, with regard to human exposure, for obtaining a field value that corresponds to a spatial average over the entire human body. This standard is not applicable to occupational exposure associated with, for example, the operation and/or maintenance of the power systems. Such exposure may occur when working inside a distribution or transmission substation, a power plant, in a manhole or a tunnel for underground cables, or on an overhead line tower or pole.

Keel en

#### **ASENDATUD VÕI TÜHISTATUD STANDARDID**

#### **EVS-EN 60034-22:2002**

Identne EN 60034-22:1997

ja identne IEC 60034-22:1996

#### **Rotating electrical machines - Part 22: AC generators for reciprocating internal combustion (RIC) engine driven generating sets**

This part of IEC 34 establishes the principal characteristics of a.c. generators under the control of their voltage regulators when used for reciprocating internal combustion (RIC) engine driven generating set applications and supplements the requirements given in IEC 34-1.

Keel en

Asendatud EVS-EN 60034-22:2010

#### **EVS-EN 60079-18:2004**

Identne EN 60079-18:2004+AC:2006

ja identne IEC 60079-18:2004

#### **Gaasplahvatusohtlike keskkondade elektriseadmed. Osa 18: Kaitsekapseldusega „m” elektriaparaatide ehitus, katsetamine ja märgistamine**

Gives the specific requirements for the construction, testing and marking of electrical apparatus, parts of electrical apparatus and Ex components with the type of protection encapsulation "m". Only applies for encapsulated electrical apparatus, encapsulated parts of electrical apparatus and encapsulated Ex components ("m" apparatus) where the rated voltage does not exceed 10 kV with a relative tolerance of +10 %.

Keel en

Asendab EVS-EN 50028:2003

Asendatud EVS-EN 60079-18:2010

#### **EVS-EN 60282-1:2006**

Identne EN 60282-1:2006

ja identne IEC 60282-1:2006

#### **High-voltage fuses Part 1: Current-limiting fuses**

This part of IEC 60282 applies to all types of high-voltage current-limiting fuses designed for use outdoors or indoors on alternating current systems of 50 Hz and 60 Hz and of rated voltages exceeding 1 000 V.

Keel en

Asendab EVS-EN 60282-1:2003

Asendatud EVS-EN 60282-1:2010

#### **EVS-EN 60626-2:2006**

Identne EN 60626-2:1995

ja identne IEC 60626-2:1995

#### **Combined flexible materials for electrical insulation - Part 2: Methods of test**

Deals with the tests applicable to combined materials constituted by plastic films and/or fibrous materials such as papers, woven or non-woven fabrics, impregnated or not impregnated

Keel en

Asendatud EVS-EN 60626-2:2010

#### **EVS-EN 60644:2002**

Identne EN 60644:1993

ja identne IEC 60644:1979

#### **Specification for high-voltage fuse-links for motor circuit applications**

This standard applies primarily to fuse-links used with motors started direct-on-line on alternating current systems of 50 Hz and 60 Hz. Note.- When motors are used with assisted starting this specification can also be applied but particular attention should be paid to the selection of the rated current of the fuse-link (see Sub-clause 8.1) and the manufacturer of the fuse-link should preferably be consulted.

Keel en

Asendatud EVS-EN 60644:2010

#### **EVS-EN 60851-2:2003**

Identne EN 60851-2:1996+A1:1997

ja identne IEC 60851-2:1996+A1:1997

#### **Winding wires - Test methods - Part 2: Determination of dimensions**

This part of IEC 851 specifies the following method of test: - Test 4: Dimensions. For definitions, general notes on methods of test and the complete series of methods of test for winding wires see IEC 851-1.

Keel en

Asendatud EVS-EN 60851-2:2010

**EVS-EN 60851-2:2003/A2:2004**

Identne EN 60851-2:1996/A2:2003

ja identne IEC 60851-2:1996/A2:2003

**Winding wires - Test methods - Part 2: Determination of dimensions**

This part of IEC 851 specifies the following method of test: - Test 4: Dimensions. For definitions, general notes on methods of test and the complete series of methods of test for winding wires see IEC 851-1.

Keel en

Asendatud EVS-EN 60851-2:2010

**EVS-EN 61241-1:2004**

Identne EN 61241-1:2004 + AC:2006

ja identne IEC 61241-1:2004

**Elektriseadmed, mis on ette nähtud kasutamiseks põlevtolmu olemasolul. Osa 1: Ümbristega tagatav kaitse "tD"**

Applicable to electrical apparatus protected by enclosures and surface temperature limitation for use in areas where combustible dust may be present in quantities which could lead to a fire or explosion hazard. Specifies requirements for design, construction and testing of electrical apparatus. The ignition protection is based on the limitation of the maximum surface temperature of the enclosure and on other surfaces which could be in contact with dust and on the restriction of dust ingress into the enclosure by the use of "dust-tight" or "dust-protected" enclosures.

Keel en

Asendatud EVS-EN 60079-31:2010

**EVS-EN 61241-18:2004**

Identne EN 61241-18:2004

ja identne IEC 61241-18:2004

**Elektriaparaadid kasutamiseks põlevtolmu juuresolul. Osa 18: Kaitse kinnise ehitusega "mD"**

Applicable to electrical apparatus protected by encapsulation type of protection "mD" and surface temperature limitation for use in areas where combustible dust may be present in quantities which could lead to a fire or explosion hazard. Specifies requirements for design, construction and testing of electrical apparatus, parts of electrical apparatus and Ex components where the rated voltage does not exceed 10 kV. The application of electrical apparatus in atmospheres which may contain explosive gas as well as combustible dust, whether simultaneously or separately, requires additional protective measures.

Keel en

Asendatud EVS-EN 60079-18:2010

**EVS-EN 61558-2-17:2001**

Identne EN 61558-2-17:1997

ja identne IEC 61558-2-17:1997

**Jõutrafode, elektrivarustusseadmete ja muude taoliste seadmete ohutus. Osa 2-17: Erinõuded lülitalitluses toimiva elektrivarustuse trafodele**

This part 2 of IEC 61558 applies to associated power transformers for switch mode power supplies, single-phase or polyphase, air-cooled: - separating transformers;- isolating transformers; - safety isolating transformers, having a rated supply voltage not exceeding 1000 V a.c. and a rated frequency of 500 Hz to 1 MHz, the rated output not exceeding: - 10 kVA for single-phase transformers and 16 kVA for polyphase transformers. The no-load output voltage or the rated output voltage do not exceed 1000 V a.c. or 1415 V ripple-free d.c. for separating transformers; 500 V a.c. for 708 V ripple-free d.c. for isolating transformers and 50 V a.c. r.m.s. and/or 120 V ripple-free d.c. for safety isolating transformers. This standard is applicable to dry type transformers. The windings may be encapsulated or non-encapsulated.

Keel en

Asendatud EVS-EN 61558-2-16:2010

**KAVANDITE ARVAMUSKÜSITLUS****EN 60061-1:2001/FprA45**

Identne EN 60061-1:1993/FprA45:2009

ja identne IEC 60061-1:1969/A45:200X

Tähtaeg 29.04.2010

**Lambisoklid ja lambipesad koos mõõturitega vahetatavuse ja ohutuse kontrolliks. Osa 1: Lambisoklid**

This is a loose-leaf publication and supplements containing new and revised sheets are issued from time to time.

Keel en

**EN 60061-2:2001/FprA42**

Identne EN 60061-2:1993/FprA42:2009

ja identne IEC 60061-2:1969/A42:200X

Tähtaeg 29.04.2010

**Lambisoklid ja lambipesad koos mõõturitega vahetatavuse ja ohutuse kontrolliks. Osa 2: Lambipesad**

This is a loose-leaf publication and supplements containing new and revised sheets are issued from time to time.

Keel en

**FprEN 50180**

Identne FprEN 50180:2009

Tähtaeg 29.04.2010

**Bushings above 1 kV up to 52 kV and from 250 A to 3,15 kA for liquid filled transformers**

This European Standard is applicable to ceramic and resin insulated bushings having highest voltages above 1 kV up to 52 kV, rated currents from 250 A up to 3 150 A and frequencies from 15 Hz up to 60 Hz for insulating liquid filled transformers. This standard establishes essential dimensions, to ensure interchangeability of bushings and to ensure adequate mounting and interchangeability of mating plug-in separable connectors of equivalent ratings.

Keel en

Asendab EVS-EN 50180:2002

**FprEN 60034-2-2**

Identne FprEN 60034-2-2:2009

ja identne IEC 60034-2-2:200X

Tähtaeg 29.04.2010

**Rotating electrical machines - Part 2-2: Specific methods for determining separate losses of large machines from tests - Supplement to IEC 60034-2-1**

This part of IEC 60034 applies to large rotating electrical machines and establishes additional methods of determining separate losses and to define an efficiency supplementing IEC 60034-2-1. These methods apply when full-load testing is not practical and result in a greater uncertainty. NOTE In situ testing according to the calorimetric method for full-load conditions is recognized. The specific methods described are: – Calibrated-machine method. – Retardation method. – Calorimetric method.

Keel en

**FprEN 60079-19**

Identne FprEN 60079-19:2009

ja identne IEC 60079-19:200X

Tähtaeg 29.04.2010

**Explosive atmospheres -- Part 19: Equipment repair, overhaul and reclamation**

This part of IEC 60079 - gives instructions, principally of a technical nature, on the repair, overhaul, reclamation and modification of electrical equipment designed for use in explosive atmospheres; - is not applicable to maintenance, other than when repair and overhaul cannot be disassociated from maintenance, neither does it give advice on cable entry systems which may require a renewal when the equipment is re-installed; - is not applicable to type of protection 'm', 'o' and 'q'; - assumes that good engineering practices are adopted throughout.

Keel en

Asendab EVS-EN 60079-19:2007

**FprEN 60079-35-1**

Identne FprEN 60079-35-1:2009

ja identne IEC 60079-35-1:200X

Tähtaeg 29.04.2010

**Caplights for use in mines susceptible to firedamp - Part 1: General requirements - Construction and testing in relation to the risk of explosion**

This part of IEC 60079-35 specifies requirements for the construction and testing of caplights, including caplights with a point of connection for other equipment, for use in mines susceptible to firedamp (Group I – electrical equipment for explosive gas atmospheres as defined in IEC 60079-0). It deals only with the risk of the caplight becoming a source of ignition.

Keel en

**FprEN 60695-6-2**

Identne FprEN 60695-6-2:2009

ja identne IEC 60695-6-2:200X

Tähtaeg 29.04.2010

**Fire hazard testing - Part 6-2: Smoke obscuration - Summary and relevance of test methods**

This part of IEC 60695 provides a summary of the test methods that are used in the assessment of smoke obscuration. It presents a brief summary of static and dynamic test methods in common use, either as international standards or national or industry standards. It includes special observations on their relevance to electrotechnical products and their materials and to fire scenarios, and it gives recommendations on their use. This basic safety publication is intended for use by technical committees in the preparation of standards in accordance with the principles laid down in IEC Guide 104 and ISO/IEC Guide 51. One of the responsibilities of a technical committee is, wherever applicable, to make use of basic safety publications in the preparation of its publications. The requirements, test methods or test conditions of this basic safety publication will not apply unless specifically referred to or included in the relevant publications.

Keel en

**FprEN 60929**

Identne FprEN 60929:2009

ja identne IEC 60929:200X

Tähtaeg 29.04.2010

**AC and/or DC-supplied electronic control gear for tubular fluorescent lamps - Performance requirements**

This international Standard specifies performance requirements for electronic control gear for use on a.c. and/or d.c. supplies up to 1 000 V at 50 Hz or 60 Hz with operating frequencies deviating from the supply frequency, associated with fluorescent lamps as specified in IEC 60081 and IEC 60901, and other fluorescent lamps for high-frequency operation.

Keel en

Asendab EVS-EN 60929:2006

**FprEN 62271-203**

Identne FprEN 62271-203:2009

ja identne IEC 62271-203:200X

Tähtaeg 29.04.2010

**High-voltage switchgear and controlgear - Part 203: Gas-insulated metal-enclosed switchgear for rated voltages above 52 kV**

This standard specifies requirements for gas-insulated metal-enclosed switchgear in which the insulation is obtained, at least partly, by an insulating gas other than air at atmospheric pressure, for alternating current of rated voltages above 52 kV, for indoor and outdoor installation, and for service frequencies up to and including 60 Hz. For the purpose of this standard, the terms "GIS" and "switchgear" are used for "gas-insulated metal-enclosed switchgear". The gas-insulated metal-enclosed switchgear covered by this standard consists of individual components intended to be directly connected together and able to operate only in this manner. This standard completes and amends, if necessary, the various relevant standards applying to the individual components constituting GIS.

Keel en

Asendab EVS-EN 62271-203:2004

**FprEN 62660-1**

Identne FprEN 62660-1:2009

ja identne IEC 62660-1:200X

Tähtaeg 29.04.2010

**Secondary batteries for the propulsion of electric road vehicles - Part 1: Performance testing for lithium-ion cells**

This part of IEC 62660 specifies performance and life testing of secondary lithium-ion cells used for propulsion of electric vehicles including battery electric vehicles (BEV) and hybrid electric vehicles (HEV). The objective of this standard is to specify the test procedures to obtain the essential characteristics of lithium-ion cells for vehicle propulsion applications regarding capacity, power density, energy density, storage life and cycle life. This standard provides the standard test procedures and conditions for testing basic performance characteristics of lithium-ion cells for vehicle propulsion applications, which are indispensable for securing a basic level of performance and obtaining essential data on cells for various designs of battery systems and battery packs.

Keel en

**FprEN 62660-2**

Identne FprEN 62660-2:2009

ja identne IEC 62660-2:200X

Tähtaeg 29.04.2010

**Secondary batteries for the propulsion of electric road vehicles - Part 2: Reliability and abuse testing for lithium-ion cells**

This part of IEC 62660 specifies test procedures to observe the reliability and abuse behaviour of secondary lithium-ion cells used for propulsion of electric vehicles including battery electric vehicles (BEV) and hybrid electric vehicles (HEV). The objective of this standard is to specify the standard test procedures and conditions for basic characteristics of lithium-ion cells for use in propulsion of battery and hybrid electric vehicles. The tests are indispensable for obtaining essential data on reliability and abuse behaviour of lithium-ion cells for use in various designs of battery systems and battery packs. This standard provides standard classification of description of test results to be used for the design of battery systems or battery packs.

Keel en

**prEVS-IEC 60364-7-710**

ja identne IEC 60364-7-710:2002

Tähtaeg 29.04.2010

**Ehitiste elektripaigaldised. Osa 7-710: Nõuded eripaigaldistele ja -paikadele. Raviruumid**

Standardisarja IEC 60364 käesoleva osa täpsustavad nõuded on kehtestatud raviruumide elektripaigaldistele, tagamaks patsientide ja meditsiinipersonali ohutust. Toodud nõuded käivad eelkõige haiglate, erakliinikute, üld- ja hambaravi ruumide, tervishoiu keskuste ja meditsiiniliseks otstarbeks kohandatud ruumide kohta asutustes.

**MÄRKUS 1** Kui olemasolev ruum muudetakse raviotstarbeliseks, siis võib tekkida vajadus kohandada elektripaigaldis vastavaks käesolevale standardile. Kui olemasolevas paigaldises kavatakse sooritada südamelähedasi protseduure, tuleb kohandamisele pöörata erilist tähelepanu.

**MÄRKUS 2** Käesolevat standardit tuleb rakendada ka veterinaarkliinikutele, kus võimalik. Standardisarja käesolevat osa ei kohaldata meditsiinilistele elektriseadmetele.

**MÄRKUS 3** Meditsiiniliste elektriseadmete kohta käib standardiseerija IEC 60601.

Keel en

Asendatud FprHD 60364-7-710

**31 ELEKTROONIKA****UUED STANDARDID JA PUBLIKATSIOONID****EVS-EN 60191-6:2010**

Hind 229,00

Identne EN 60191-6:2009

ja identne IEC 60191-6:2009

**Mechanical standardization of semiconductor devices - Part 6: General rules for the preparation of outline drawings of surface mounted semiconductor device packages**

This part of IEC 60191 gives general rules for the preparation of outline drawings of surface-mounted semiconductor devices. It supplements IEC 60191-1 and IEC 60191-3. It covers all surface-mounted devices discrete semiconductors with lead count of greater or equal to 8, as well as integrated circuits classified as form E in Clause 3 of IEC 60191-4.

Keel en

Asendab EVS-EN 60191-6:2005

**EVS-EN 60384-1:2010**

Hind 315,00

Identne EN 60384-1:2009

ja identne IEC 60384-1:2008+AC:2008

**Fixed capacitors for use in electronic equipment - Part 1: Generic specification**

This part of IEC 60384 is a generic specification and is applicable to fixed capacitors for use in electronic equipment. It establishes standard terms, inspection procedures and methods of test for use in sectional and detail specifications of electronic components for quality assessment or any other purpose.

Keel en

Asendab EVS-EN 60384-1:2002



**EVS-EN 61988-5:2010**

Hind 188,00

Identne EN 61988-5:2009

ja identne IEC 61988-5:2009

**Plasma display panels -- Part 5: Generic specification**

This generic specification for plasma display panels specifies general procedures for quality assessment to be used in the IECQ-CECC system and establishes general principles for describing and testing of electrical, optical, mechanical and environmental characteristics.

Keel en

**EVS-EN 62341-5:2010**

Hind 145,00

Identne EN 62341-5:2009

ja identne IEC 62341-5:2009

**Organic Light Emitting Diode (OLED) displays - Part 5: Environmental testing methods**

This part of IEC 62341 defines testing methods for evaluating environmental endurance of organic light emitting diode display modules (OLED display modules) for use and storage under the assumed usage environment.

Keel en

**EVS-EN 62341-1-1:2010**

Hind 178,00

Identne EN 62341-1-1:2009

ja identne IEC 62341-1-1:2009

**Organic Light Emitting Diode (OLED) displays - Part 1-1: Generic specifications**

This part of IEC 62341 is a generic specification for organic light emitting diode (OLED) displays. It defines general procedures for quality assessment to be used in the IECQ-CECC system and establishes general rules for methods of electrical and optical measurements, environmental and mechanical tests and endurance tests.

Keel en

**EVS-EN 62341-1-2:2010**

Hind 198,00

Identne EN 62341-1-2:2009

ja identne IEC 62341-1-2:2007

**Organic light emitting diode displays -- Part 1-2: Terminology and letter symbols**

This part of IEC 62341 gives preferred terms, their definitions and symbols for organic light emitting diode (OLED) displays; with the object of using the same terminology when publications are prepared in different countries.

Keel en

**EVS-EN 62433-2:2010**

Hind 243,00

Identne EN 62433-2:2010

ja identne IEC 62433-2:2008

**EMC IC modelling - Part 2: Models of integrated circuits for EMI behavioural simulation - Conducted emissions modelling (ICEM-CE)**

This part of IEC 62433 specifies macro-models for ICs to simulate conducted electromagnetic emissions on a printed circuit board. The model is commonly called Integrated Circuit Emission Model - Conducted Emission (ICEM-CE). The ICEM-CE model can also be used for modelling an IC-die, a functional block and an Intellectual Property block (IP). The ICEM-CE model can be used to model both digital and analogue ICs. Basically, conducted emissions have two origins: • conducted emissions through power supply terminals and ground reference structures; • conducted emissions through input/output (I/O) terminals. The ICEM-CE model addresses those two types of origins in a single approach.

Keel en

**ASENDATUD VÕI TÜHISTATUD STANDARDID****EVS-EN 60191-6:2005**

Identne EN 60191-6:2004

ja identne IEC 60191-6:2004

**Mechanical standardization of semiconductor devices Part 6: General rules for the preparation of outline drawings of surface mounted semiconductor device packages**

Gives general rules for the preparation of outlines drawings of surface-mounted semiconductor devices. It supplements EN 60191-1 and 60191-3. It covers all surface-mounted discrete semiconductor devices as well as integrated circuits classified as form E.

Keel en

Asendatud EVS-EN 60191-6:2010

**EVS-EN 60384-1:2002**

Identne EN 60384-1:2001

ja identne IEC 60384-1:1999

**Fixed capacitors for use in electronic equipment - Part 1: Generic specification**

This standard is applicable to fixed capacitors for use in electronic equipment. It establishes standard terms, inspection procedures and methods of test for use in sectional and detail specifications of electronic components for Quality Assessment or any other purpose.

Keel en

Asendatud EVS-EN 60384-1:2010

## **KAVANDITE ARVAMUSKÜSITLUS**

### **EN 60539-2:2004/FprA1**

Identne EN 60539-2:2004/FprA1:2009  
ja identne IEC 60539-2:2003/A1:200X  
Tähtaeg 29.04.2010

#### **Directly heated negative temperature coefficient thermistors - Part 2: Sectional specification - Surface mount negative temperature coefficient thermistors**

is applicable to surface mount directly heated negative temperature coefficient thermistors, typically made from transition metal oxide materials with semiconducting properties. These thermistors have metallized connecting pads or soldering strips and are intended to be mounted directly on to substrates for hybrid circuits or on to printed boards.

Keel en

### **FprEN 60512-9-3**

Identne FprEN 60512-9-3:2009  
ja identne IEC 60512-9-3:200X  
Tähtaeg 29.04.2010

#### **Connectors for electronic equipment - Tests and measurements Part 9-3: Endurance tests - Test 9c: Mechanical operation (engaging/separating) with electrical load**

This part of IEC 60512, when required by the detail specification, is used for testing connectors within the scope of IEC technical committee 48. This test may also be used for similar devices when specified in a detail specification. The object of this document is to define a standard test method to assess the mechanical and electrical operational endurance of connector in the normal operating mode with a specified electrical load.

Keel en

Asendab EVS-EN 60512-9-3:2006

### **FprEN 61182-2-2**

Identne FprEN 61182-2-2:2009  
ja identne IEC 61182-2-2:200X  
Tähtaeg 29.04.2010

#### **Printed board assembly products - Manufacturing description data and transfer methodology - Part 2-2: Sectional requirements for implementation of printed board fabrication data description**

This part of IEC 61182-2 provides the information on the manufacturing requirements used for fabricating printed boards. This standard determines the XML schema details, defined in the generic standard (61182-2) and some of the sectional standards that are required to accomplish the focused tasks. When other standards are invoked, their requirements become a mandatory part of the fabrication details as defined in the IEC 61182-2

Keel en

### **FprEN 61967-8**

Identne FprEN 61967-8:2009  
ja identne IEC 61967-8:200X  
Tähtaeg 29.04.2010

#### **Integrated circuits - Measurement of electromagnetic emissions, 150 kHz to 1 GHz- Part 8: Measurement of radiated emissions - IC stripline method**

This measurement procedure defines a method for measuring the electromagnetic radiated emission from an integrated circuit (IC) using an IC stripline in the frequency range of 150 kHz up to 3 GHz. The IC being evaluated is mounted on an EMC test board (PCB) between the active conductor and the ground plane of the IC stripline arrangement.

Keel en

## **33 SIDETEHNIKA**

### **UUED STANDARDID JA PUBLIKATSIOONID**

#### **EVS-EN 60728-7-3:2010**

Hind 229,00  
Identne EN 60728-7-3:2009  
ja identne IEC 60728-7-3:2009

#### **Cable networks for television signals, sound signals and interactive services - Part 7-3: Hybrid fibre coax outside plant status monitoring - Power supply to transponder interface bus (PSTIB)**

This part of IEC 60728 specifies requirements for the Hybrid Fibre Coax (HFC) Outside Plant (OSP) Power Supplies (PS). This standard is part of a series developed to support the design and implementation of interoperable management systems for evolving HFC cable networks. The purpose of the standards is to support the design and implementation of interoperable management systems for evolving HFC cable networks. The Power Supply to Transponder In-terface Bus (PSTIB) specification describes the physical (PHY) interface and related messaging and protocols implemented at the Data Link Layer (DLL), layers 1 and 2 respectively in the 7-layer ISO-OSI reference model, that support communications between compliant transponders and the managed OSP power supplies and other related power equipment to which they interface.

Keel en

Asendab EVS-EN 60728-7-3:2005

#### **EVS-EN 60794-2-20:2010**

Hind 188,00  
Identne EN 60794-2-20:2010  
ja identne IEC 60794-2-20:2008

#### **Optical fibre cables -- Part 2-20: Indoor optical fibre cables - Family specification for multi-fibre optical distribution cables**

This part of IEC 60794 is a family specification covering multi-fibre optical distribution cables for indoor use. The requirements of the sectional specification IEC 60794-2 are applicable to cables covered by this standard. Annex B contains requirements that supersede the normal requirements in case the cables are intended to be used in installation governed by the MICE table of ISO/IEC 24702 (i.e. Industrial premises).

Keel en

Asendab EVS-EN 60794-2-20:2003

**EVS-EN 60958-3:2006/A1:2010**

Hind 114,00

Identne EN 60958-3:2006/A1:2010

ja identne IEC 60958-3:2006/A1:2009

**Digital audio interface Part 3: Consumer applications**

This part of IEC 60958 specifies the consumer application of the interface for the interconnection of digital audio equipment defined in IEC 60958-1.

Keel en

**EVS-EN 61280-4-1:2010**

Hind 271,00

Identne EN 61280-4-1:2009

ja identne IEC 61280-4-1:2009

**Fibre optic communication subsystem test procedures - Part 4-1: Installed cable plant - Multimode attenuation measurement**

This part of IEC 61280-4 is applicable to the measurement of attenuation of installed fibre-optic cabling using multimode fibre, typically in lengths of up to 2 000 m. This cabling can include multimode fibres, connectors, adapters and splices. Cabling design standards such as ISO/IEC 11801, ISO/IEC 24702 and ISO/IEC 24764 contain specifications for this type of cabling. ISO/IEC 14763-3, which supports these design standards, makes reference to the test methods of this standard. In this standard, the fibre types that are addressed include category A1a (50/125 µm) and A1b (62,5/125 µm) multimode fibres, as specified in IEC 60793-2-10. The attenuation measurements of the other multimode categories can be made, using the approaches of this standard, but the source conditions for the other categories have not been defined.

Keel en

Asendab EVS-EN 61280-4-1:2004

**EVS-EN 61300-3-35:2010**

Hind 166,00

Identne EN 61300-3-35:2010

ja identne IEC 61300-3-35:2009

**Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 3-35: Examinations and measurements - Fibreoptic cylindrical connector endface visual and automated inspection**

This part of IEC 61300 describes methods for quantitatively assessing the endface quality of a polished fibre optic connector. The information is intended for use with other standards which set requirements for allowable surface defects such as scratches, pits and debris which may affect optical performance. In general, the methods described in this standard apply to 125 µm cladding fibres contained within a ferrule and intended for use with sources of ≤2 W of input power. However, portions are applicable to non-ferruled connectors and other fibre types. Those portions are identified where appropriate.

Keel en

**EVS-EN 61754-24:2010**

Hind 198,00

Identne EN 61754-24:2010

ja identne IEC 61754-24:2009

**Fibre optic interconnecting devices and passive components - Fibre optic connector interfaces - Part 24: Type SC-RJ connector family**

This part of IEC 61754 defines the standard interface dimensions for the type SC-RJ family of connectors.

Keel en

**EVS-EN 61935-1:2010**

Hind 336,00

Identne EN 61935-1:2009

ja identne IEC 61935-1:2009

**Specification for the testing of balanced and coaxial information technology cabling - Part 1: Installed balanced cabling as specified in the standards series EN 50173**

This part of IEC 61935 specifies reference measurement procedures for cabling parameters and the requirements for field tester accuracy to measure cabling parameters identified in ISO/IEC 11801. References in this standard to ISO/IEC 11801 mean ISO/IEC 11801 or equivalent cabling standards. This International Standard applies when the cable assemblies are constructed of cables complying with the IEC 61156 family of standards, and connecting hardware as specified in IEC 60603-7 family of standards or IEC 61076-3-104 and IEC 61076-3-110. In the case where cables and/or connectors do not comply with these standards, then additional tests may be required.

Keel en

Asendab EVS-EN 61935-1:2006

**EVS-EN 61935-3:2010**

Hind 135,00

Identne EN 61935-3:2009

ja identne IEC 61935-3:2008

**Testing of balanced and coaxial information technology cabling - Part 3: Installed cabling as specified in EN 50173-4 and related standards**

This part of IEC 61935 specifies conformance testing for home cabling. These conformance tests include visual inspection, verification testing and either qualification testing or certification testing. Documentation for the test results are also specified.

Keel en

**EVS-EN 61935-2-20:2010**

Hind 135,00

Identne EN 61935-2-20:2009

ja identne IEC 61935-2-20:2008

**Testing of balanced communication cabling in accordance with series EN 50173 - Part 2-20: Patch cords and work area cords - Blank detail specification for class D applications**

This blank detail specification describes work area cord for class D applications, as defined in ISO/IEC 11801 as well as in the ISO/IEC 24702. This blank detail specification determines the layout and style for detail specifications describing cords with transmission characteristics up to 100 MHz for digital communications. Detail specifications, based on this blank detail specification, may be prepared by a national organization, a manufacturer, or a user. Test configuration applicable to cords is detailed in the IEC 61935-2. The designation "Category 5e" is used herein to describe an enhanced category 5 cable (see 1 of IEC 61156-6).

Keel en

**EVS-EN 61968-9:2010**

Hind 442,00

Identne EN 61968-9:2009

ja identne IEC 61968-9:2009

**Application integration at electric utilities - System interfaces for distribution management - Part 9: Interface for meter reading and control**

This document is Part 9 of the IEC 61968 standard and specifies the information content of a set of message types that can be used to support many of the business functions related to meter reading and control. Typical uses of the message types include meter reading, meter control, meter events, customer data synchronization and customer switching. Although intended primarily for electrical distribution networks, IEC 61968-9 can be used for other metering applications, including non-electrical metered quantities necessary to support gas and water networks.

Keel en

**EVS-EN 62106:2010**

Hind 377,00

Identne EN 62106:2009

ja identne IEC 62106:2009

**Raadioandmeedastussüsteemi (RDS) spetsifikatsioon VHF/FM raadioringhäälingule raadiosagedusvahemikus 87,5 MHz kuni 108,0 MHz**

This International Standard describes the Radio Data System, RDS, intended for application to VHF/FM sound broadcasts in the range 87,5 MHz to 108,0 MHz which may carry either stereophonic (pilot-tone system) or monophonic programmes ( see clause 2 – Normative references ITU-R Recommendations BS 450-3 and BS 643-2). The main objectives of RDS are to enable improved functionality for FM receivers and to make them more user-friendly by using features such as Programme Identification, Programme Service name display and where applicable, automatic tuning for portable and car radios, in particular. The relevant basic tuning and switching information therefore has to be implemented by the type 0 group (see 6.1.5.1), and it is not optional unlike many of the other possible features in RDS.

Keel en

Asendab EVS-EN 62106:2006

**EVS-EN 62148-11:2010**

Hind 135,00

Identne EN 62148-11:2009

ja identne IEC 62148-11:2009

**Fibre optic active components and devices - Package and interface standards -- Part 11: 14-pin active device modules**

This part of IEC 62148 covers physical interface specification for modulator integrated laser diode transmitters. The object of this standard is to adequately specify the physical requirements of an optical transmitter that will enable mechanical interchangeability of transmitters complying with this standard both at the printed circuit board and for any panel mounting requirement.

Keel en

Asendab EVS-EN 62148-11:2004

**EVS-EN 62148-16:2010**

Hind 219,00

Identne EN 62148-16:2009

ja identne IEC 62148-16:2009

**Fibre optic active components and devices - Package and interface standards - Part 16: Transmitter and receiver components for use with LC connector interface**

This part of IEC 62148 covers physical interface specification of transmitter and receiver components for use with LC connector interface. The intent of this part of IEC 62148 is to adequately specify the physical requirements of an optical transmitter and receiver that will enable mechanical interchangeability of transmitters and receivers complying with this standard both at the PCB and for any panel-mounting requirement.

Keel en

**EVS-EN 62150-4:2010**

Hind 145,00

Identne EN 62150-4:2010

ja identne IEC 62150-4:2009

**Fibre optic active components and devices - Test and measurement procedures -Part 4: Relative intensity noise using a time-domain optical detection system**

This part of IEC 62150 specifies test and measurement procedures for relative intensity noise (RIN). It applies to lasers, laser transmitters, and the transmitter portion of transceivers. This procedure examines whether the device or module satisfies the appropriate performance specification. The procedure is applicable to single longitudinal mode (SLM). An optional section of the procedure presents a controlled return loss to the device-under-test, but is only applicable to devices coupled to SMF. The method described in this standard, using a time-domain detection system, provides a single value for RIN that averages the noise over the transmission bandwidth. The measurement is made on a modulated laser capturing the RIN value under normal operating conditions. It also measures RINOMA, an alternative definition, as described in IEEE 802.3-2005.

Keel en

**EVS-EN 62546:2010**

Hind 198,00

Identne EN 62546:2009

ja identne IEC 62546:2009

**High Definiton (HD) recording link guidelines**

This International Standard specifies the communication protocol between a TV receiver and a video recorder which are connected through a digital interface.

Keel en

## **ASENDATUD VÕI TÜHISTATUD STANDARDID**

### **EVS-EN 60728-7-3:2005**

Identne EN 60728-7-3:2005

ja identne IEC 60728-7-3:2003

#### **Cable networks for television signals, sound signals and interactive services - Part 7-3: Hybrid fibre coax outside plant status monitoring - Power supply to transponder interface bus (PSTIB) specification**

specifies requirements for the Hybrid Fibre Coax (HFC) Outside Plant (OSP) Power Supplies (PS). This standard is part of a series developed to support the design and implementation of interoperable management systems for evolving HFC cable networks. The purpose of the standards is to support the design and implementation of interoperable management systems for evolving HFC cable networks. The Power Supply to Transponder Interface Bus (PSTIB) specification describes the physical (PHY) interface and related messaging and protocols implemented at the Data Link Layer (DLL), layers 1 and 2 respectively in the 7-layer ISO-OSI reference model, that support communications between compliant transponders and the managed OSP power supplies and other related power equipment to which they interface.

Keel en

Asendatud EVS-EN 60728-7-3:2010

### **EVS-EN 60794-2-20:2003**

Identne EN 60794-2-20:2003

ja identne IEC 60794-2-20:2003

#### **Optical fibre cables - Part 2-20: Indoor cables - Family specification for multi-fibre optical distribution cables**

Deals with multi-fibre optical distribution cables for indoor use. The requirements of the sectional specification IEC 60794-2 are applicable to cables covered by this standard

Keel en

Asendatud EVS-EN 60794-2-20:2010

### **EVS-EN 61280-4-1:2004**

Identne EN 61280-4-1:2004

ja identne IEC 61280-4-1:2003

#### **Fibre-optic communication subsystem test procedures Part 4-1: Cable plant and links – Multimode fibre-optic cable plant attenuation measurement**

Establishes preferred measurement principles and practices to assure that meaningful data describing the optical loss performance of installed cable plants can be obtained. It is not intended for component testing, it does not define those elements of an installation that need to be measured. This procedure is a specific test associated with IEC 61281-1. This procedure can be used to measure the optical loss between any two passively connected points, including end terminations, of a multimode optical fibre cable plant.

Keel en

Asendatud EVS-EN 61280-4-1:2010

### **EVS-EN 61935-1:2006**

Identne EN 61935-1:2005

ja identne IEC 61935-1:2005

#### **Testing of balanced communication cabling in accordance with standards series EN 50173 Part 1: Installed cabling**

specifies reference measurement procedures for cabling parameters and the requirements for field tester accuracy to measure cabling parameters identified in ISO/IEC 11801. References in this standard to ISO/IEC 11801 mean ISO/IEC 11801 or equivalent cabling standards.

Keel en

Asendab EVS-EN 61935-1:2000

Asendatud EVS-EN 61935-1:2010

### **EVS-EN 62106:2006**

Identne EN 62106:2001

ja identne IEC 62106:2000

#### **Raadioandmeedastussüsteemi (RDS) spetsifikatsioon VHF/FM raadioringhäälingule raadiosagedusvahemikus 87,5 MHz kuni 108,0 MHz**

Raadioandmeedastussüsteem (Radio Data System - RDS), mis võib ülekanda nii stereofoonilisi (piloottoonsüsteem) kui ka monofoonilisi programme, on kavandatud rakendusena VHF/FM raadioringhäälingu saadetele raadiosagedusvahemikus 87,5 MHz kuni 108,0 MHz. RDSi põhieesmärk on võimaldada FM vastuvõtjatele täiendatud funktsionaalsust ja muuta neid tarbijasõbralikumaks, kasutades selleks funktsioone nagu programmi identifitseerimine, programmeerimise nime ekraanile kuvamine, ja võimaldada automaatset häälestust kaasaskantavatele- ja autoraadiotele.

Keel et

Asendatud EVS-EN 62106:2010

### **EVS-EN 62148-11:2004**

Identne EN 62148-11:2003

ja identne IEC 62148-11:2003

#### **Fibre optic active components and devices - Package and interface standards - Part 11: 14-pin modulator-integrated laser diode transmitters**

Covers physical interface specification for modulator integrated laser diode transmitters. The intent is to adequately specify the physical requirements of an optical transmitter that will enable mechanical interchangeability of transmitters complying with this standard both at the PCB and for any panel mounting requirement.

Keel en

Asendatud EVS-EN 62148-11:2010

## **KAVANDITE ARVAMUSKÜSITLUS**

### **EN 55011:2009/FprA1**

Identne EN 55011:2009/FprA1:2009  
ja identne CISPR 11:2009/A1:200X  
Tähtaeg 29.04.2010

#### **Tööstus-, teadus- ja meditsiiniseadmed.**

#### **Raadiosageduslike häiringute tunnussuurused.**

#### **Piirväärtused ja mõõtemetodid**

This International Standard applies to industrial, scientific and medical electrical equipment operating in the frequency range 0 Hz to 400 GHz and to domestic and similar appliances designed to generate and/or use locally radio-frequency energy. This standard covers emission requirements related to radio-frequency (RF) disturbances in the frequency range of 9 kHz to 400 GHz. Measurements need only be performed in frequency ranges where limits are specified in Clause 6. For ISM RF applications in the meaning of the definition found in the ITU Radio Regulations (see Definition 3.1), this standard covers emission requirements related to radio-frequency disturbances in the frequency range of 9 kHz to 18 GHz. Requirements for ISM RF lighting apparatus and UV irradiators operating at frequencies within the ISM frequency bands defined by the ITU Radio Regulations are contained in this standard. Equipment covered by other CISPR product and product family emission standards are excluded from the scope of this standard.

Keel en

### **FprEN 60793-1-41**

Identne FprEN 60793-1-41:2009  
ja identne IEC 60793-1-41:200X  
Tähtaeg 29.04.2010

#### **Optical fibres - Part 1-41: Measurement methods and test procedures - Bandwidth**

This part of IEC 60793 describes three methods for determining and measuring the modal bandwidth of multimode optical fibres (see IEC 60793-2-10, 30 and 40). The baseband frequency response is directly measured in the frequency domain by determining the fibre response to a sinusoidally modulated light source. The baseband response can also be measured by observing the broadening of a narrow pulse of light. The calculated response is determined using differential mode delay (DMD) data. The three methods are:  
Method A – Time domain (pulse distortion) measurement  
Method B – Frequency-domain measurement  
Method C – Overfilled launch modal bandwidth calculated from differential mode delay (OMBc)

Keel en

Asendab EVS-EN 60793-1-41:2004

### **FprEN 60793-2-10**

Identne FprEN 60793-2-10:2009  
ja identne IEC 60793-2-10:200X  
Tähtaeg 29.04.2010

#### **Optical fibres -- Part 2-10: Product specifications - Sectional specification for category A1 multimode fibres**

This part of IEC 60793 is applicable to optical fibre types A1a, A1b, and A1d. These fibres are used or can be incorporated in information transmission equipment and optical fibre cables. Type A1a fibre is a 50/125 µm graded index fibre. Type A1a.1 applies to 50/125 µm fibre, while A1a.2 and A1a.3 apply to two bandwidth grades of 850 nm laser-optimised 50/125 µm fibre. Type A1b applies to 62,5/125 µm graded index fibre and A1d applies to 100/140 µm graded index fibre. Other applications include, but are not restricted to, the following: short reach, high bit-rate systems in telephony, distribution and local networks carrying data, voice and/or video services; on-premises intra-building and inter-building fibre installations including Data Centres, LANs, Storage Area Networks, PBXs, video, various multiplexing uses, outside telephone cable plant use, and miscellaneous related uses. Three types of requirements apply to these fibres: - general requirements, as defined in IEC 60793-2; - specific requirements common to the category A1 multimode fibres covered in this standard and which are given in Clause 3; - particular requirements applicable to individual fibre types or specific applications, which are defined in the normative family specification annexes.

Keel en

Asendab FprEN 60793-2-10

### **FprEN 61300-1**

Identne FprEN 61300-1:2009  
ja identne IEC 61300-1:200X  
Tähtaeg 29.04.2010

#### **Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 1: General and guidance**

This part of IEC 61300 contains a series of environmental test and measurement procedures and, in some cases, preferred severities designed to assess the ability of fibre optic interconnecting devices and passive components to perform under expected service conditions. Although the severities are primarily intended for land-based communications, the procedures may be used for other applications. The object of this standard is to provide uniform and reproducible environmental test procedures and measurement procedures, for those preparing specifications for fibre optic interconnecting devices and passive components. These test and measurement procedures are designed to provide information on the following properties of components and equipment, such as connectors, splices, switches, attenuators, etc: 1. ability to operate within specified limits of temperature, pressure, humidity, mechanical stress or other environmental conditions and certain combinations of these conditions; 2. ability to withstand storage and transport; 3. ability to meet the specified levels of optical performance. This standard should be used in combination with the relevant specification which will define the tests to be used, the required degree of severity for each of them, their sequence, if relevant, and the permissible performance limits. In the event of conflict between this basic standard and the relevant specification, the latter will take precedence.

Keel en

Asendab FprEN 61300-1

**FprEN 61753-086-6**

Identne FprEN 61753-086-6:2009

ja identne IEC 61753-086-6:200X

Tähtaeg 29.04.2010

**Fibre optic interconnecting devices and passive components performance standard - Part 086-6: Non-connectorised single-mode bidirectional 1490 / 1550 nm downstream and 1310 nm upstream WWDM devices for category O - Uncontrolled environment**

This part of IEC 61753 contains the minimum initial performance, test and measurement requirements and severities which a fibre optic pigtailed 1490 / 1550 nm downstream and 1310 nm upstream wide wavelength division multiplexing (WWDM) passive optical network (PON) device must satisfy in order to be categorized as meeting the requirements of category O (uncontrolled environment), as defined in annex A of IEC 61753-1. Annex B of this standard provides information concerning the function of the 1490 / 1550 nm downstream and 1310 nm upstream WWDM.

Keel en

**FprEN 61753-087-2**

Identne FprEN 61753-087-2:2009

ja identne IEC 61753-087-2:200X

Tähtaeg 29.04.2010

**Fibre optic interconnecting devices and passive components performance standard- Part 087-2: Non-connectorised single-mode bidirectional 1310 nm upstream and 1490 nm downstream WWDM devices for category C - Controlled environment**

This part of IEC 61753 contains the minimum initial performance, test and measurement requirements and severities which a fibre optic pigtailed 1310 nm upstream and 1490 nm downstream wide wavelength division multiplexing (WWDM) passive optical network (PON) device must satisfy in order to be categorized as meeting the requirements of category C (controlled environments), as defined in annex A of IEC 61753-1. Annex B of this standard provides information concerning the function of the 1310 nm upstream and 1490 nm downstream WWDM.

Keel en

**FprEN 61754-20**

Identne FprEN 61754-20:2009

ja identne IEC 61754-20:200X

Tähtaeg 29.04.2010

**Fibre optic interconnecting devices and passive components - Fibre optic connector interfaces - Part 20: Type LC connector family**

This International Standard defines the standard interface dimensions for the type LC family of connectors.

Keel en

Asendab EVS-EN 61754-20:2003

**FprEN 61966-12**

Identne FprEN 61966-12:2009

ja identne IEC 61966-12:200X

Tähtaeg 29.04.2010

**Multimedia systems and equipment - Colour measurement and management - Part 12: Metadata for identification of colour gamut (Gamut ID)**

This standard defines the colour gamut metadata scheme for video systems and similar applications. The metadata can be associated with wide gamut video colour content or to a piece of equipment to display the content. When associated with content, the colour gamut metadata defines the gamut for which the content was created. It can be used by the display for controlled colour reproduction even if the display's colour gamut is different from that of the content. When associated with a display, the colour gamut metadata defines the display colour gamut. It can be used during content creation to enable improved colour reproduction. The colour gamut metadata may cover associated colour encoding information, which includes all information required for a controlled colour reproduction, when such information is not provided by the colour encoding specification. The colour gamut metadata scheme provides scalable solutions. For example, more flexible solutions will be used for the professional use, while much simpler solutions will be used for consumer use with easier product implementation. This standard only defines the colour gamut metadata scheme. Vendor-specific solutions for creation and end-use of this metadata are allowed.

Keel en

**prEN 50441-1**

Identne prEN 50441-1:2010

Tähtaeg 29.04.2010

**Elamute telekommunikatsioonipaigaldiste kaablid. Osa 1: Varjestamata kaablid. Aste 1**

This European Standard specifies the constructional details and performances requirements for cables for indoor residential cabling systems characterized up to 100 MHz. Cables in this European Standard are based on the common design rules specified in EN 50290-2-1 and are specifically intended for supporting ICT and BCT applications (telephone, computer and TV services). The cables covered in this European Standard are intended to operate with voltages and currents normally encountered in communications systems. These cables are not intended to be used in conjunction with low impedance sources, for example, the electrical power supply of public utility mains. Cables covered in this European Standard may however be subjected to voltages of not more than 300 V a.c. or 450 V d.c. and comply with the requirements of the Low Voltage Directive. The maximum current rating per conductor is 3 A/mm<sup>2</sup> unless otherwise specified in the relevant detail specification.

Keel en

Asendab EVS-EN 50441-1:2006

## prEN 50441-2

Identne prEN 50441-2:2010

Tähtaeg 29.04.2010

### Elamute telekommunikatsioonipaigaldiste kaablid.

#### Osa 2: Varjestatud kaablid. Aste 2

This European Standard specifies the constructional details and performance requirements for cables for indoor Residential Cabling Systems characterized up to 100 MHz. Cables in this European Standard are based on the common design rules specified in EN 50290-2-1 and are specifically intended for supporting ICT and BCT applications (telephone, computer and TV services). The cables covered in this European Standard are intended to operate with voltages and currents normally encountered in communication systems. These cables are not intended to be used in conjunction with low impedance sources, for example, the electrical power supply of public utility mains. Cables covered in this European Standard may however be subjected to voltages of not more than 300 V a.c. or 450 V d.c and comply with the requirements of the Low Voltage Directive. The maximum current rating per conductor is 3 A/mm<sup>2</sup> unless otherwise specified in the relevant detail specification.

Keel en

Asendab EVS-EN 50441-2:2006

## prEN 50441-4

Identne prEN 50441-4:2010

Tähtaeg 29.04.2010

### Cables for indoor residential telecommunication installations - Part 4: Cables up to 1 200 MHz - Grade 4

This European Standard specifies the constructional details and performance requirements for cables for installation in indoor residential cabling systems characterized up to 1 200 MHz. Cables in this European Standard are based on the common design rules specified in EN 50290-2-1 and are specifically intended for supporting ICT and BCT applications (telephone, computer and TV services). The cables covered in this European Standard are intended to operate with voltages and currents normally encountered in communication systems. These cables are not intended to be used in conjunction with low impedance sources, for example, the electrical power supply of public utility mains. Cables covered in this European Standard may however be subjected to voltages of not more than 300 V a.c or 450 V d.c and comply with the requirements of the Low Voltage Directive. The maximum current rating per conductor is 3 A/mm<sup>2</sup> unless otherwise specified in the relevant detail specification.

Keel en

## prEN 50551-1

Identne prEN 50551-1:2009

Tähtaeg 29.04.2010

### Simplex and duplex cables to be used for cords - Part 1: Blank Detail Specification and minimum requirements

This blank detail specification describes parameters that can be considered for terminating these simplex and duplex cables with connectors in different communication applications. Product specifications may be prepared based on this blank detail specification following in particular requirements of Clauses 3 to 6.

Keel en

## 35 INFOTEHNOLOOGIA. KONTORISEADMED

### UUED STANDARDID JA PUBLIKATSIOONID

#### CWA 16073-0:2010

Hind 105,00

Identne CWA 16073-0:2010

#### Business Interoperability Interfaces for Public procurement in Europe - Part 0: Introduction

This CWA addresses the next step of standardization for the data exchange within an infrastructure shared by business partners. The focus is the semantics of the public procurement business processes built by xml based vocabularies specified by UBL 2.0 and UN/CEFACT core components. This is expressed in the CWA profile descriptions. A profile description is a technical specification describing: The choreography of the business processes. The business rules governing the execution of these business processes. The information content of the electronic business transactions exchanged by exchanged by pointing to a given data model for each of the business transaction.

Keel en

#### CWA 16073-1:2010

Hind 243,00

Identne CWA 16073-1:2010

#### Business Interoperability Interfaces for Public procurement in Europe - Part 1: Profile overview

The objective of Workgroup 1 of the BII workshop is to: provide specification of message content and business processes that facilitates business interoperability interfaces related to pan-European electronic transactions in public procurement. To facilitate implementation of electronic commerce in a standardized way, thereby enabling the development of standardized software solutions as well as efficient connections between trading partners without case-by-case specification of the data interchange, the workshop agreed to document the required business interoperability interfaces as profile descriptions. The end goal is to reduce the cost of implementing electronic commerce to a level that is economical for small and medium size companies and institutions.

Keel en

#### CWA 16073-2:2010

Hind 114,00

Identne CWA 16073-2:2010

#### Business Interoperability Interfaces for Public procurement in Europe - Part 2: Convergence and gap analyses

The aim of BII WG2 and the support of the UBL-UN/CEFACT convergence process is to ensure that the requirements of the BII Workshop are met by the relevant domain group in UN/CEFACT, either by formal change requests or by active participation in the group meetings. The requests are expressed as BII – CCL mappings; additionally they include mapping analysis in relation to the ISO 20022 invoice related requirements.

Keel en



**CWA 16073-3:2010**

Hind 178,00

Identne CWA 16073-3:2010

**Business Interoperability Interfaces for Public procurement in Europe - Part 3: Toolbox Requirements**

The present document establishes guidance on architectures and requirements for tools to be considered when deploying cross-border electronic procurement systems using technical specifications defined in this CWA in the form of Business Profiles. When implementing electronic procurement systems in a pan-European cross-border environment, there are different aspects to be covered to solve interoperability issues that arise due to the lack of a European-wide common legislation or to the different standards or tools that may address a specific issue. The present document is applicable to security, contents and transport issues that arise when deploying the technical specifications in Part 1 of this CWA. The main purpose of the present document is to provide information on alternatives and recommendations on the main aspects applicable when implementing profiles to build electronic procurement systems. Although the main focus is on public procurement procedures where legal aspects apply, the same tools and architectures can be used when developing and deploying electronic procurement systems in the private sector.

Keel en

**CWA 16073-4:2010**

Hind 124,00

Identne CWA 16073-4:2010

**Business Interoperability Interfaces for Public procurement in Europe - Part 4: Evaluation guidelines for testing and piloting**

This document together with attachments (see below) presents guidance to capture "Lessons Learned" for Pilot projects. This CWA can be used as the boilerplate for "Lessons Learned", that is information pertinent to experiences and insights captured before, during and immediately after conducting a Pilot. "Lessons Learned" is a loosely and open ended term, but is typically used as the collective moniker for a document that compiles information about an event (project, pilot, task etc.) with the purpose to obtain knowledge about one or more areas. The end goal of the Lessons Learned effort is – put in other words – to improve something, "something" being a process, the way an individual task is executed, user support, information access, quality of services and more.

Keel en

**EVS-EN 62106:2010**

Hind 377,00

Identne EN 62106:2009

ja identne IEC 62106:2009

**Raadioandmeedastussüsteemi (RDS) spetsifikatsioon VHF/FM raadioringhäälingule raadiosagedusvahemikus 87,5 MHz kuni 108,0 MHz**

This International Standard describes the Radio Data System, RDS, intended for application to VHF/FM sound broadcasts in the range 87,5 MHz to 108,0 MHz which may carry either stereophonic (pilot-tone system) or monophonic programmes ( see clause 2 – Normative references ITU-R Recommendations BS 450-3 and BS 643-2). The main objectives of RDS are to enable improved functionality for FM receivers and to make them more user-friendly by using features such as Programme Identification, Programme Service name display and where applicable, automatic tuning for portable and car radios, in particular. The relevant basic tuning and switching information therefore has to be implemented by the type 0 group (see 6.1.5.1), and it is not optional unlike many of the other possible features in RDS.

Keel en

Asendab EVS-EN 62106:2006

**EVS-EN ISO 6709:2010**

Hind 198,00

Identne EN ISO 6709:2009

ja identne ISO 6709:2008+Cor 1:2009

**Standard representation of geographic point location by coordinates**

This International Standard is applicable to the interchange of coordinates describing geographic point location. It specifies the representation of coordinates, including latitude and longitude, to be used in data interchange. It additionally specifies representation of horizontal point location using coordinate types other than latitude and longitude. It also specifies the representation of height and depth that may be associated with horizontal coordinates. Representation includes units of measure and coordinate order. This International Standard is not applicable to the representation of information held within computer memories during processing and in their use in registers of geodetic codes and parameters.

Keel en

## **EVS-EN ISO 10781:2010**

Hind 135,00

Identne EN ISO 10781:2009

ja identne ISO 10781:2009

### **Electronic Health Record-System Functional Model, Release 1.1**

Established in 1987, Health Level Seven (HL7) is an American National Standards Institute (ANSI) accredited, not-for-profit standards-development organization, whose mission is to provide standards for the exchange, integration, sharing, and retrieval of electronic health information; support clinical practice; and support the management, delivery and evaluation of health services. ANSI accreditation, coupled with HL7's own procedures, dictates that any standard published by HL7 and submitted to ANSI for approval, be developed and ratified by a process that adheres to ANSI's procedures for open consensus and meets a balance of interest requirement by attaining near equal participation in the voting process by the various constituencies that are materially affected by the standard (e.g., vendors, providers, government agencies, consultants, non-profit organizations). This balance of interest goal ensures that a particular constituency is neither refused participation nor is it allowed to dominate the development and ratification of a proposed standard. More information and background on ANSI is available on their website at: <http://www.ANSI.org>

Keel en

## **EVS-EN ISO 17264:2010**

Hind 166,00

Identne EN ISO 17264:2009

ja identne ISO 17264:2009

### **Intelligent transport systems - Automatic vehicle and equipment identification - Interfaces**

This International Standard provides the specifications of: - common AVI/AEI transaction requirements, which define the common steps of any AVI/AEI transaction; - AVI/AEI application interface to standardized wireless protocols (referred to as the "Air Interface") supporting the AVI transaction requirements, so as to enable interoperability.

Keel en

## **EVS-EN ISO 19115-2:2010**

Hind 243,00

Identne EN ISO 19115-2:2010

ja identne ISO 19115-2:2009

### **Geographic information - Metadata - Part 2: Extensions for imagery and gridded data**

This part of ISO 19115 extends the existing geographic metadata standard by defining the schema required for describing imagery and gridded data. It provides information about the properties of the measuring equipment used to acquire the data, the geometry of the measuring process employed by the equipment, and the production process used to digitize the raw data. This extension deals with metadata needed to describe the derivation of geographic information from raw data, including the properties of the measuring system, and the numerical methods and computational procedures used in the derivation. The metadata required to address coverage data in general is addressed sufficiently in the general part of ISO 19115.

Keel en

## **ASENDATUD VÕI TÜHISTATUD STANDARDID**

### **EVS-EN 62106:2006**

Identne EN 62106:2001

ja identne IEC 62106:2000

### **Raadioandmeedastussüsteemi (RDS) spetsifikatsioon VHF/FM raadioringhäälingule raadiosagedusvahemikus 87,5 MHz kuni 108,0 MHz**

Raadioandmeedastussüsteem (Radio Data System - RDS), mis võib ülekanda nii stereofoonilisi (piloottoonsüsteem) kui ka monofoonilisi programme, on kavandatud rakendusena VHF/FM raadioringhäälingu saadetele raadiosagedusvahemikus 87,5 MHz kuni 108,0 MHz. RDSi põhieesmärk on võimaldada FM vastuvõtjatele täiendatud funktsionaalsust ja muuta neid tarbijasõbralikumaks, kasutades selleks funktsioone nagu programmi identifitseerimine, programmeerimise nime ekraanile kuvamine, ja võimaldada automaatset häälestust kaasaskantavatele- ja autoraadiotele.

Keel et

Asendatud EVS-EN 62106:2010

## **KAVANDITE ARVAMUSKÜSITLUS**

### **prEN ISO 14825**

Identne prEN ISO 14825:2010

ja identne ISO/DIS 14825:2010

Tähtaeg 29.04.2010

### **Geographic Data Files - GDF5.0**

This International Standard specifies the conceptual and logical data model and physical encoding formats for geographic data bases for Intelligent Transport Systems (ITS) applications and services. It includes a specification of potential contents of such data bases (data dictionaries for Features, Attributes and Relationships), a specification of how these contents shall be represented, and of how relevant information about the database itself can be specified (metadata). The focus of this International Standard is on ITS applications and services and it emphasizes road and road related information. ITS applications and services, however, also require information in addition to road and road related information.

Keel en

Asendab EVS-EN ISO 14825:2004

### **prEN ISO 19148**

Identne prEN ISO 19148:2009

ja identne ISO/DIS 19148:2009

Tähtaeg 29.04.2010

### **Geographic information - Linear referencing**

This International Standard specifies a conceptual schema for locations relative to a one-dimensional object as measurement along (and optionally offset from) that object. It defines a description of the data and operations needed to use and support linear referencing. This International Standard is applicable to transportation, utilities, location-based services and other applications which define locations relative to linear objects.

Keel en

## 37 VISUAALTEHNIKA

### KAVANDITE ARVAMUSKÜSITLUS

#### **EN 1010-2:2006/FprA1**

Identne EN 1010-2:2006/FprA1:2009

Tähtaeg 29.04.2010

**Masinate ohutus. Ohutusnõuded paberivalmistamis- ja viimistlusmasinate kavandamisele ja valmistamisele. Osa 2: Trüki- ja lakkimismasinad, kaasa arvatud trükieelsed pressimisseadmed**

This document applies to:- Pre-press machinery (machinery and devices for the production of master copies and printing forms);- exposure equipment for the production of films and printing forms;- equipment for developing films and printing forms;- washing machines for printing forms;- machines for bending printing forms;- punching machines for film and printing forms;- cutting machines for film and printing forms;- machines for the production of gravure printing forms;- scanners.

Keel en

## 43 MAANTEESÕIDUKITE EHITUS

### KAVANDITE ARVAMUSKÜSITLUS

#### **prEN 16029**

Identne prEN 16029:2009

Tähtaeg 29.04.2010

**Ride-on, motorized vehicles intended for the transportation of persons and not intended for use on public roads - Safety requirements - Single-track two-wheel motor vehicles**

This European Standard specifies the safety requirements for single-track two-wheel motor vehicles, driven by a rider sitting astride. This European Standard deals with all significant hazards, hazardous situations and events relevant to single-track two-wheel motor vehicles propelled by a spark ignited internal combustion engine (hereinafter referred to as "vehicles"), when they are used as intended and under the conditions of misuse which are reasonably foreseeable by the manufacturer. The vehicles covered by this European Standard are not intended to be used in public roads. The vehicles covered by this European Standard are intended only for the rider and not for passengers. This European Standard does not cover vehicles propelled with gaseous fuels. This European Standard specifies the appropriate measures to eliminate or reduce the risks arising from the significant hazards, hazardous situations and events (see Clause 4) during commissioning, operation and maintenance of the vehicles when carried out in accordance with the specifications as intended by the manufacturer. This document is not applicable to vehicles which are manufactured before the date of publication of this European Standard by CEN.

Keel en

#### **prEN ISO 11439**

Identne prEN ISO 11439:2009

ja identne ISO/DIS 11439:2009

Tähtaeg 29.04.2010

**Gas cylinders - High pressure cylinders for the on-board storage of natural gas as a fuel for automotive vehicles - Complementary element**

This International Standard specifies minimum requirements for serially produced light-weight refillable gas cylinders intended only for the on-board storage of high pressure compressed natural gas as a fuel for automotive vehicles to which the cylinders are to be fixed. The service conditions do not cover external loadings that may arise from vehicle collisions, etc. This International Standard covers cylinders of any steel, aluminium or non-metallic material construction, using any design or method of manufacture suitable for the specified service conditions. This International Standard does not cover cylinders of stainless steel or of welded construction. Although this standard uses 200 bar as a reference working pressure, other working pressures may be used

Keel en

Asendab EVS-EN ISO 11439:2001

## 45 RAUDTEETEHNIKA

### UUED STANDARDID JA PUBLIKATSIOONID

#### **EVS-EN 15273-1:2010**

Hind 394,00

Identne EN 15273-1:2009

**Railway applications - Gauges - Part 1: General - Common rules for infrastructure and rolling stock**

This European Standard is applicable by authorities involved in railway operation and may also be applied for light vehicles (e.g. trams, metros, etc. running on two rails) and their associated infrastructure, but not for systems such as rail-guided buses. It allows vehicles and infrastructures to be dimensioned and their compliance to be checked relative to the gauging rules. For the rolling stock and for the infrastructure, this standard is applicable to new designs, to modifications and to the checking of vehicles and infrastructures already in use.

Keel en

#### **EVS-EN 15723:2010**

Hind 188,00

Identne EN 15723:2010

**Raudteealased rakendused. Kasuliku veose keskkonnamõju vastase turvaseadme sulgemis- ja lukustusvahendid. Nõuded püsivusele, käitamisele, tähistusele, hooldusele, taaskasutusele**

This European Standard applies to new and upgraded freight wagons where an approval is required. These protecting devices are classified into two types of load and this standard defines the requirements for the durability of the closing and locking devices, their status indication, maintenance and recycling. This standard also defines pass-fail criteria for the dimensioning tests. NOTE Provisions going beyond the scope of these requirements should be agreed by the contracting parties involved. This standard is not applicable to closing and locking devices which are used to ensure a pressure difference or to retain liquids /liquid payloads. It is not applicable to vehicles which are emptied by pressure, nor is it applicable to loose tarpaulins.

Keel en

## **EVS-EN 62267:2010**

Hind 271,00

Identne EN 62267:2009

ja identne IEC 62267:2009

### **Railway applications - Automated urban guided transport (AUGT) - Safety requirements**

This International Standard covers high-level safety requirements applicable to automated urban guided transport systems, with driverless or unattended self-propelled trains, operating on an exclusive guideway. This standard only deals with the safety requirements needed to compensate for the absence of a driver or attendant staff who would otherwise be responsible for some or all of train operation functions (see Table 1), depending on the level of automation of the system (see shaded areas in Table 1 and see 3.1 for a definition of the different grades of automation). The requirements of this standard are restricted to transport systems as defined in Clause 5 and to DTO and UTO as defined in 3.1.4 and 3.1.20, respectively (see the shaded areas in Table 1).

Keel en

## **KAVANDITE ARVAMUSKÜSITLUS**

### **prEN 13272**

Identne prEN 13272:2009

Tähtaeg 29.04.2010

#### **Raudteelased rakendused.**

#### **Ühistranspordisüsteemide veeremite elektrivalgustus**

This European Standard contains performance requirements and recommendations for electrical lighting systems in the interiors of public transport railway rolling stock under all operating and emergency conditions.

Keel en

Asendab EVS-EN 13272:2002

### **prEN 14587-3**

Identne prEN 14587-3:2009

Tähtaeg 29.04.2010

### **Railway applications - Track - Flash butt welding of rails - Part 3: Welding in association with crossing construction**

This European Standard specifies requirements for the approval of a welding process in a fixed plant, together with the requirements for subsequent welding production. It applies to new Vignole rails welded by flash butt welding to crossing components in a fixed plant, and intended for use on railway infrastructures.

Keel en

## **prEN 50533**

Identne prEN 50533:2009

Tähtaeg 29.04.2010

### **Railway applications - Three-phase train line voltage characteristics**

This European Standard describes the electrical characteristics of the three-phase train line which delivers the electrical energy from the auxiliary power converter system to the auxiliary loads. It applies to – locomotive hauled passenger trains, – electric multiple units, – diesel electric multiple units. This European Standard may apply to other rolling stock types (e.g. light rail vehicles, tramways, metros, etc.) if they are not in the scope of another specific standard. The three-phase voltage characteristics depend on the performances of the auxiliary converters which supply the train line but also on the AC load characteristics connected to this train line. In railway applications the available auxiliary power of the train line is generally a little higher than the power needed by the consumer loads, consequently tight interactions between the auxiliary power converter system and the loads are common and have to be taken into consideration for a proper operation at train system level.

Keel en

## **47 LAEVAEHITUS JA MERE-EHITISED**

### **ASENDATUD VÕI TÜHISTATUD STANDARDID**

#### **EVS-EN ISO 8729:2000**

Identne EN ISO 8729:1998

ja identne ISO 8729:1997

#### **Laevaehitus. Laevaradarite peegeldid**

Käesolev rahvusvaheline standard määrab kindlaks radarpeegeldite konstruktsiooni, toimimise, paigaldamise ja katsetamise.

Keel en

## **KAVANDITE ARVAMUSKÜSITLUS**

### **FprEN 61162-1**

Identne FprEN 61162-1:2009  
ja identne IEC 61162-1:200X  
Tähtaeg 29.04.2010

#### **Maritime navigation and radiocommunication equipment and systems - Digital interfaces - Part 1: Single talker and multiple listeners**

This part of IEC 61162 contains the requirements for data communication between maritime electronic instruments, navigation and radiocommunication equipment when interconnected via an appropriate system. This standard is intended to support one-way serial data transmission from a single talker to one or more listeners. This data is in printable ASCII form and may include information such as position, speed, depth, frequency allocation, etc. Typical messages may be from about 11 to a maximum of 79 characters in length and generally require transmission no more rapidly than one message per second. The electrical definitions in this standard are not intended to accommodate high-bandwidth applications such as radar or video imagery, or intensive database or file transfer applications. Since there is no provision for guaranteed delivery of messages and only limited error checking capability, this standard should be used with caution in all safety applications. For applications where a faster transmission rate is necessary, reference should be made to IEC 61162-2.

Keel en

Asendab EVS-EN 61162-1:2008

### **FprEN 62287-1**

Identne FprEN 62287-1:2009  
ja identne IEC 62287-1:200X  
Tähtaeg 29.04.2010

#### **Maritime navigation and radiocommunication equipment and systems - Class B shipborne equipment of the automatic identification system (AIS) Part 1: Carrier-sense time division multiple access (CSTDMA) techniques**

This part of IEC 62287 specifies the minimum operational and performance requirements, methods of testing and required test results for Class B shipborne AIS equipment using CSTDMA techniques. This standard takes into account other associated IEC International Standards and existing national standards, as applicable. It is applicable for AIS equipment used on craft that are not covered by the mandatory carriage requirement of AIS under SOLAS Chapter V. An AIS station intended to operate in receive-only mode shall not be considered a Class B shipborne mobile AIS station.

Keel en

Asendab EVS-EN 62287-1:2006

### **prEN ISO 9094**

Identne prEN ISO 9094:2010  
ja identne ISO/DIS 9094:2010  
Tähtaeg 29.04.2010

#### **Väikelaevad. Tulekaitse.**

This International Standard defines a practical degree of fire prevention and protection intended to provide enough time for crew to escape a fire on board small craft. The standard specifies minimum requirements for craft layout, the installation of craft systems, fire fighting and escape and provides guidance on fire detection. It is intended to apply to small craft with a hull length, LH, not exceeding 24 m. Personal watercrafts are excluded from the scope of this standard.

Keel en

Asendab EVS-EN ISO 9094-1:2003; EVS-EN ISO 9094-2:2003

## **49 LENNUNDUS JA KOSMOSETEHNIKA**

### **UUED STANDARDID JA PUBLIKATSIOONID**

#### **EVS-EN 2240-002:2010**

Hind 92,00  
Identne EN 2240-002:2009

##### **Aerospace series - Lamps, incandescent - Part 002 : Main characteristics**

This European Standard enumerates and specifies the main characteristics of incandescent lamps for aerospace applications. It should be used together with EN 2240-001 and the associated product standards.

Keel en

#### **EVS-EN 2240-003:2010**

Hind 80,00  
Identne EN 2240-003:2010

##### **Aerospace series - Lamps, incandescent - Part 003: Lamp, code 44 - Product standard**

This document specifies the required characteristics for lamp, code 44, for aerospace applications. It shall be used together with EN 2756.

Keel en

#### **EVS-EN 2240-005:2010**

Hind 80,00  
Identne EN 2240-005:2009

##### **Aerospace series - Lamps, incandescent - Part 005: Lamp, code 73 - Product standard**

This European Standard specifies the required characteristics for lamp, code 73, for aerospace applications. It shall be used together with EN 2756.

Keel en

#### **EVS-EN 2240-006:2010**

Hind 80,00  
Identne EN 2240-006:2009

##### **Aerospace series - Lamps, incandescent - Part 006: Lamp, code 73E - Product standard**

This European Standard specifies the required characteristics for lamp, code 73E, for aerospace applications. It shall be used together with EN 2756.

Keel en

**EVS-EN 2240-007:2010**

Hind 80,00

Identne EN 2240-007:2009

**Aerospace series - Lamps, incandescent - Part 007: Lamp, code 74 - Product standard**

This European Standard specifies the required characteristics for lamp, code 74, for aerospace applications. It shall be used together with EN 2756.

Keel en

**EVS-EN 2240-008:2010**

Hind 80,00

Identne EN 2240-008:2009

**Aerospace series - Lamps, incandescent - Part 008: Lamp, code 75 - Product standard**

This European Standard specifies the required characteristics for lamp, code 75, for aerospace applications. It shall be used together with EN 2756.

Keel en

**EVS-EN 2240-009:2010**

Hind 80,00

Identne EN 2240-009:2009

**Aerospace series - Lamps, incandescent - Part 009: Lamp, code 83 - Product standard**

This European Standard specifies the required characteristics for lamp, code 83, for aerospace applications. It shall be used together with EN 2756

Keel en

**EVS-EN 2714-014:2010**

Hind 114,00

Identne EN 2714-014:2009

**Aerospace series - Cables, electrical, single and multicore for general purpose - Operating temperatures between - 55 °C and 260 °C - Part 014: DR family, 5 to 10 cores, taped, screened (braided) and jacketed, UV laser printable - Product standard**

This standard specifies the characteristics of UV laser printable DR family, 5 to 10 cores, taped, screened (braided) and jacketed electrical lightweight cables for use in the on-board electrical systems of aircraft, at operating temperatures between - 55 °C and 260 °C. Nevertheless, if needed, - 65 °C is also acceptable as shown by cold test. It shall also be possible to mark these cables by qualified compatible marking. These markings shall satisfy the requirements of EN 3838.

Keel en

**EVS-EN 2817:2010**

Hind 92,00

Identne EN 2817:2009

**Aerospace series - Steel FE-PM1802 (X5CrNiCu15-5) - Consumable electrode remelted - Solution treated and precipitation treated - Bar for machining - a or D ≤ 200 mm - Rm ≥ 1 070 Mpa**

This European Standard specifies the requirements relating to: Steel FE-PM1802 (X5CrNiCu15-5) Consumable electrode remelted Solution treated and precipitation treated Bar for machining a or D ≤ 200 mm Rm ≥ 1 070 MPa for aerospace applications.

Keel en

**EVS-EN 2862:2010**

Hind 92,00

Identne EN 2862:2009

**Aerospace series - Nuts, anchor, self-locking, fixed, 90° corner, with counterbore, in alloy steel, cadmium plated, MoS2 lubricated - Classification : 1 100 MPa (at ambient temperature) / 235 °C**

This European Standard specifies the characteristics of 90° corner, counterbored, fixed, anchor nuts, with a self-locking feature achieved by forming the upper portion out-of-round, in alloy steel, cadmium plated, MoS2 lubricated. Classification: 1 100 MPa 1) / 235 °C. 2)

Keel en

**EVS-EN 2865:2010**

Hind 92,00

Identne EN 2865:2009

**Aerospace series - Nuts, anchor, self-locking, floating, two lug, with counterbore, in heat resisting steel, MoS2 lubricated - Classification : 1 100 MPa (at ambient temperature) / 315 °C**

This European Standard specifies the characteristics of two lugs, counterbored floating anchor nuts, with a self-locking feature achieved by forming the upper portion out-of-round, in heat resisting steel, MoS2 lubricated. Classification: 1 100 MPa 1) / 315 °C 2).

Keel en

**EVS-EN 2866:2010**

Hind 92,00

Identne EN 2866:2009

**Aerospace series - Nuts, anchor, self-locking, floating, one lug, with counterbore, in steel, cadmium plated, MoS2 lubricated - Classification : 1 110 MPa (at ambient temperature) / 235 °C**

This standard specifies the characteristics of one lug, floating anchor nuts, with counterbore and self-locking feature achieved by forming the upper portion out-of-round, in steel, cadmium plated, MoS2 lubricated. Classification: 1 100 MPa 1) / 315 °C 2)

Keel en

**EVS-EN 2867:2010**

Hind 92,00

Identne EN 2867:2009

**Aerospace series - Nuts, anchor, self-locking, floating, one lug, with counterbore, in heat resisting steel, MoS2 lubricated - Classification: 1 100 MPa (at ambient temperature) / 315 °C**

This European Standard specifies the characteristics of one lug, floating anchor nuts, with counterbore and self-locking feature achieved by forming the upper portion out-of-round, in heat resisting steel, MoS2 lubricated. Classification: 1 100 MPa 1) / 315 °C 2).

Keel en

**EVS-EN 2869:2010**

Hind 105,00

Identne EN 2869:2009

**Aerospace series - Nuts, hexagonal, slotted/castellated, normal height, normal across flats, in heat resisting steel, passivated - Classification: 1 100 MPa (at ambient temperature) / 650 °C**

This European Standard specifies the characteristics of hexagonal slotted/castellated nuts, normal height, normal across flats, in heat resisting steel, passivated. Classification: 1 100 MPa 1) / 650 °C 2) .

Keel en

**EVS-EN 3229:2010**

Hind 92,00

Identne EN 3229:2009

**Aerospace series - Nuts, hexagonal, plain, reduced height, normal across flats, in steel, cadmium plated, left hand thread - Classification: 900 MPa (at ambient temperature) / 235 °C**

This European Standard specifies the characteristics of plain, hexagonal nuts, reduced height, normal across flats, with left hand thread, in steel, cadmium plated.

Classification: 900 MPa 1) / 235 °C. 2)

Keel en

**EVS-EN 3660-003:2010**

Hind 114,00

Identne EN 3660-003:2009

**Aerospace series - Cable outlet accessories for circular and rectangular electrical and optical connectors - Part 003: Grommet nut, style A for EN 2997 and EN 4067 - Product standard**

This European Standard defines a range of grommet nuts, style A, for use under the following conditions:

Associated electrical connector(s) : EN 3660-002

Temperature range, Class N : - 65 °C to 200 °C

Class W : - 65 °C to 175 °C

Class K : - 65 °C to 260 °C

Class A : - 65 °C to 200 °C

Keel en

Asendab EVS-EN 3660-003:2006

**EVS-EN 3660-005:2010**

Hind 124,00

Identne EN 3660-005:2009

**Aerospace series - Cable outlet accessories for circular and rectangular electrical and optical connectors - Part 005: Cable outlet, style A, 90°, unsealed with clamp strain relief for EN 2997 and EN 4067 - Product standard**

This European Standard defines a range of cable outlets, style A, 90°, unsealed with clamp strain relief for use under the following conditions:

Associated electrical connector(s) : EN 3660-002

Temperature range, Class N : - 65 °C to 200 °C

Class W : - 65 °C to 175 °C

Class K : - 65 °C to 260 °C

Class A : - 65 °C to 200 °C

Keel en

Asendab EVS-EN 3660-005:2006

**EVS-EN 3660-062:2010**

Hind 135,00

Identne EN 3660-062:2009

**Aerospace series - Cable outlet accessories for circular and rectangular electrical and optical connectors - Part 062: Cable outlet, style K, 90°, for heat shrinkable boot, shielded, sealed, self-locking for EN 3645 - Product standard**

This European Standard defines a range of cable outlets, style K, 90°, shielded, sealed, self-locking, for heat shrinkable boot, for use under the following conditions:

The mating connectors are listed in EN 3660-002. Temperature range, Class F : - 65 °C to 200 °C;

Class K : - 65 °C to 260 °C;

Class W : - 65 °C to 175 °C.

Associated electrical accessories : EN 3660-033

Metallic band (for shield termination backshells). These cable outlets are designed for termination of overall

shielding braid or individual cable shields. They accommodate/permit the termination of heat shrinkable

boots.

Keel en

Keel en

**EVS-EN 3660-063:2010**

Hind 145,00

Identne EN 3660-063:2009

**Aerospace series - Cable outlet accessories for circular and rectangular electrical and optical connectors - Part 063: Cable outlet, style K, straight, for heat shrinkable boot, shielded, sealed, self-locking for EN 3645 - Product standard**

This European Standard defines a range of cable outlets, style K, straight, shielded, sealed, self-locking for heat shrinkable boot, for use under the following

conditions: Associated electrical connector(s) : EN 3660-002. Temperature range, Class F : - 65 °C to

200 °C; Class K : - 65 °C to 260 °C; Class W : - 65

°C to 175 °C. Associated electrical accessories : EN

3660-033 Metallic band (for shield termination

backshell). These cable outlets are designed for

termination of overall shielding braid or individual cable

shields. They accommodate/permit the termination of

heat shrinkable boots.

Keel en

**EVS-EN 3660-064:2010**

Hind 135,00

Identne EN 3660-064:2009

**Aerospace series - Cable outlet accessories for circular and rectangular electrical and optical connectors - Part 064: Cable outlet, style K, straight, for heat shrinkable boot, shielded, sealed, self-locking for EN 2997 and EN 4067 - Product standard**

This European Standard defines a range of cable outlets, style K, for use under the following conditions:

The mating connectors are listed in EN 3660-002.

Temperature range, Class F : - 65 °C to 200 °C; Class

K : - 65 °C to 260 °C; Class W : - 65 °C to 175 °C.

Associated electrical accessories : EN 3660-033

Metallic band (for shield termination backshells). These

cable outlets are designed for termination of overall

shielding braid or individual cable shields. They

accommodate/permit the termination of heat shrinkable

boots.

Keel en

**EVS-EN 3660-065:2010**

Hind 135,00

Identne EN 3660-065:2009

**Aerospace series - Cable outlet accessories for circular and rectangular electrical and optical connectors - Part 065: Cable outlet, style K, 90°, for heat shrinkable boot, shielded, sealed, self-locking for EN 2997 and EN 4067 - Product standard**

This European Standard defines a range of cable outlets, style K, for use under the following conditions:

The mating connectors are listed in EN 3660-002.

Temperature range, Class F : - 65 °C to 200 °C; Class

K : - 65 °C to 260 °C; Class W : - 65 °C to 175 °C.

Associated electrical accessories : EN 3660-033

Metallic band (for shield termination backshells). These

cable outlets are designed for termination of overall

shielding braid or individual cable shields. They

accommodate/permit the termination of heat shrinkable

boots.

Keel en

Keel en

**EVS-EN 3757:2010**

Hind 92,00

Identne EN 3757:2009

**Aerospace series - Nuts, anchor, self-locking, floating, self-aligning, two lug, in heat resisting steel, MoS2 lubricated - Classification: 900 MPa (at ambient temperature) / 315 °C**

This European Standard specifies the characteristics of self-locking, floating, self-aligning, two lugs anchor nuts, in heat resisting steel, MoS2-lubricated. Classification: 900 MPa 1) / 315 °C 2).

Keel en

**EVS-EN 4073:2010**

Hind 92,00

Identne EN 4073:2009

**Aerospace series - Screws, pan head, six lobe recess, coarse tolerance normal shank, medium length thread, in alloy steel, cadmium plated - Classification 1 100 MPa (at ambient temperature) / 235 °C**

This standard specifies the characteristics of screws, pan head, six lobe recess, coarse tolerance normal shank, medium length thread, in alloy steel, cadmium plated. Classification: 1 100 MPa 1) / 235 °C 2)

Keel en

**EVS-EN 4078:2010**

Hind 92,00

Identne EN 4078:2009

**Aerospace series - Inserts, threaded, thin wall, locked and self-locking, in heat resisting steel, MoS2 lubricated - Classification: 1 100 MPa (at ambient temperature) / 315 °C**

This European Standard specifies the characteristics of threaded thin wall inserts, locked and with a self-locking feature achieved by deforming out-of-round the internal thread of mid length, in heat resisting steel, MoS2 lubricated. Classification : 1 100 MPa1) / 315 °C2).

Keel en

**EVS-EN 4084:2010**

Hind 92,00

Identne EN 4084:2009

**Aerospace series - Nuts, anchor, self-locking, fixed, two lug, with counterbore, in alloy steel, cadmium plated, MoS2 lubricated - Classification: 1 100 MPa (at ambient temperature) / 235 °C**

This European Standard specifies the characteristics of two lug fixed anchor nuts, with counterbore and a self-locking feature achieved by forming the upper portion out-of-round, in alloy steel, cadmium plated, MoS2 lubricated. Classification: 1 100 MPa 1) / 235 °C 2).

Keel en

**EVS-EN 4138:2010**

Hind 105,00

Identne EN 4138:2009

**Aerospace series - Screws, pan head, offset cruciform recess, coarse tolerance normal shank, medium length thread, in alloy steel, cadmium plated - Classification : 1 100 MPa (at ambient temperature) / 235 °C**

This European Standard specifies the characteristics of screws, pan head, offset cruciform recess, coarse tolerance normal shank, medium length thread, in alloy steel, cadmium plated. Classification: 1 100 MPa1) / 235 °C2).

Keel en

**EVS-EN 4161:2010**

Hind 92,00

Identne EN 4161:2009

**Aerospace series - Screws, pan head, offset cruciform recess, coarse tolerance normal shank, long thread, in alloy steel, cadmium plated - Classification : 1 100 MPa (at ambient temperature) / 235 °C**

This European Standard specifies the characteristics of screws, pan head, offset cruciform recess, coarse tolerance normal shank, long thread, in alloy steel, cadmium plated. Classification: 1 100 MPa1) / 235 °C2).

Keel en

**EVS-EN 4163:2010**

Hind 92,00

Identne EN 4163:2009

**Aerospace series - Screws 100° countersunk normal head, offset cruciform recess, coarse tolerance normal shank, long thread, in alloy steel, cadmium plated - 1 100 MPa (at ambient temperature) / 235 °C**

This European Standard specifies the characteristics of screws, 100° countersunk normal head, offset cruciform recess, coarse tolerance normal shank, long thread, in alloy steel, cadmium plated. Classification : 1 100 MPa1) / 235 °C2).

Keel en

**EVS-EN 4178:2010**

Hind 92,00

Identne EN 4178:2009

**Aerospace series - Screws, pan head, six lobe recess, coarse tolerance normal shank, medium length thread, in titanium alloy, anodized, MoS2 lubricated - 1 100 MPa (at ambient temperature) / 315 °C**

This European Standard specifies the characteristics of screws, pan head, six lobe recess, coarse tolerance normal shank, medium length thread, in titanium alloy, anodized, MoS2 lubricated. Classification : 1 100 MPa1) / 315 °C2).

Keel en

**EVS-EN 4179:2010**

Hind 178,00

Identne EN 4179:2009

**Aerospace series - Qualification and approval of personnel for non-destructive testing**

This European Standard establishes the minimum requirements for the qualification and certification of personnel performing non-destructive testing (NDT), non-destructive inspection (NDI), or non-destructive evaluation (NDE) in the aerospace manufacturing, service, maintenance and overhaul industries. For the purposes of this standard, the term NDT is used and is considered equivalent to NDI and NDE. In Europe, the term "approval" is used to denote a written statement by an employer that an individual has met specific requirements and has operating approval. Certification per EN ISO/IEC 17024 is not required by this standard unless specified by local or regulatory requirements. The term "certification" as defined in 3.1 is used throughout this standard as a substitute for the term "approval". Except when otherwise specified in the written practice, certification in accordance with this standard includes operating approval.

Keel en

Asendab EVS-EN 4179:2006



**EVS-EN 4632-005:2010**

Hind 229,00

Identne EN 4632-005:2009

**Aerospace series - Weldability and brazeability of materials in aerospace constructions - Part 005: Homogeneous assemblies of heat resisting Ni or Co base alloys**

This European Standard defines degrees of weldability and brazeability for materials or families of materials used in the aerospace industry. It comprises a series of sheets, by materials or by material family, which: - indicate the main titles, the chemical composition and the main characteristics; - contain recommendations for welding and brazing; - indicate a degree of weldability or brazeability for a given process under defined conditions; - indicate a value of the mechanical strength coefficient of the welded joint for each welding process, when it could be extracted from bibliographic references referring to it. The joint coefficient is expressed as a ratio of the tensile strength of the welded joint to the tensile strength of the base alloy (to be in accordance with EN 4632-002). It is applicable without restriction for the manufacturing of new parts or for repair.

Keel en

**EVS-EN 4645-002:2010**

Hind 124,00

Identne EN 4645-002:2009

**Aerospace series - Connectors, optical, circular, single and multipin, coupled by threaded ring, self-locking 1,25 mm diameter ferrule with removable alignment sleeve holder - Part 002: Specification of performance and contact arrangements**

This European Standard defines the performance and contact arrangements of circular optical connectors, coupled by triple start threaded ring.

Keel en

**EVS-EN 4645-003:2010**

Hind 80,00

Identne EN 4645-003:2009

**Aerospace series - Connectors, optical, circular, single and multipin, coupled by threaded ring, self-locking 1,25 mm diameter ferrule with removable alignment sleeve holder - Part 003: Square flange receptacle - Product standard**

This standard specifies the characteristics of mounted square flange receptacles in the family of circular connectors with triple start threaded coupling.

Keel en

**EVS-EN 4645-004:2010**

Hind 80,00

Identne EN 4645-004:2009

**Aerospace series - Connectors, optical, circular, single and multipin, coupled by threaded ring, self-locking 1,25 mm diameter ferrule with removable alignment sleeve holder - Part 004: Jam nut receptacle - Product standard**

This standard specifies the characteristics of mounted jam nut receptacles in the family of circular connectors with triple start threaded coupling.

Keel en

**EVS-EN 4645-005:2010**

Hind 92,00

Identne EN 4645-005:2009

**Aerospace series - Connectors, optical, circular, single and multipin, coupled by threaded ring, self-locking 1,25 mm diameter ferrule with removable alignment sleeve holder - Part 005: Plug - Product standard**

This European Standard specifies the characteristics of mounted plug receptacles in the family of circular connectors with triple start threaded coupling.

Keel en

**ASENDATUD VÕI TÜHISTATUD STANDARDID****EVS-EN 3660-003:2006**

Identne EN 3660-003:2006

**Aerospace series - Cable outlet accessories for circular and rectangular electrical and optical connectors - Part 003: Grommet nut, style A for EN 2997 and EN 4067 - Product standard**

This product standard defines a range of grommet nuts, style A, for use under the following conditions: Associated electrical connector(s) : EN 3660-002 Temperature range, Class N : - 65 °C to 200 °C Class W : - 65 °C to 175 °C Class K : - 65 °C to 260 °C Class A : - 65 °C to 200 °C

Keel en

Asendatud EVS-EN 3660-003:2010

**EVS-EN 3660-005:2006**

Identne EN 3660-005:2006

**Aerospace series - Cable outlet accessories for circular and rectangular electrical and optical connectors - Part 005: Cable outlet, style A, 90°, unsealed with clamp strain relief for EN 2997 and EN 4067 - Product standard**

This product standard defines a range of cable outlets, style A, 90°, unsealed with clamp strain relief for use under the following conditions: Associated electrical connector(s) : EN 3660-002 Temperature range, Class N : - 65 °C to 200 °C Class W : - 65 °C to 175 °C Class K : - 65 °C to 260 °C Class A : - 65 °C to 200 °C

Keel en

Asendatud EVS-EN 3660-005:2010

**EVS-EN 4179:2006**

Identne EN 4179:2005

**Aerospace series - Qualification and approval of personnel for non-destructive testing**

This standard establishes the minimum requirements for the qualification and certification of personnel involved in non-destructive testing (NDT). These requirements include training, experience and examinations for personnel performing NDT in the aerospace manufacturing, service, maintenance and overhaul industries.

Keel en

Asendab EVS-EN 4179:2000

Asendatud EVS-EN 4179:2010

## **KAVANDITE ARVAMUSKÜSITLUS**

### **FprEN 3911**

Identne FprEN 3911:2010

Tähtaeg 29.04.2010

#### **Aerospace series - Six lobe recess - Geometrical definition**

This standard specifies the dimensions and tolerances of six lobe recess.

Keel en

### **FprEN 9120**

Identne FprEN 9120:2009

Tähtaeg 29.04.2010

#### **Quality Management Systems - Requirements for Aviation, Space and Defence Distributors**

This European Standard includes ISO 9001:2008(1) quality management system requirements and specifies additional aviation, space and defence industry requirements, definitions and notes as shown in bold, italic text. It is emphasized that the requirements specified in this standard are complementary (not alternative) to contractual and applicable statutory and regulatory requirements. Should there be a conflict between the requirements of this standard and applicable statutory or regulatory requirements, the latter shall take precedence. This European Standard specifies requirements for a quality management system where an organization: a) needs to demonstrate its ability to consistently provide product that meets customer and applicable statutory and regulatory requirements; and b) aims to enhance customer satisfaction through the effective application of the system, including processes for continual improvement of the system and the assurance of conformity to customer and applicable statutory and regulatory requirements.

Keel en

Asendab EVS-EN 9120:2006

## **53 TÖSTE- JA TEISALDUS-SEADMED**

### **UUED STANDARDID JA PUBLIKATSIOONID**

#### **EVS-EN 1459:1998+A2:2010**

Hind 295,00

Identne EN 1459:1998+A2:2010

#### **Tööstuslike mootorkärude ohutus. Erineva töötsooniga liikurkärud**

This standard applies to self-propelled seated rider operated variable reach trucks intended to handle loads of all kinds using one of the attachments listed in 3.10 - 3.11 - 3.13 - 3.14 - 3.15 - 3.16 - 3.19 - 3.20. It does not cover the lifting of persons by any attachments, in particular by work platforms. Machines with variable length load suspension elements (chains, ropes etc) from which the load may swing freely in all directions are not covered in this standard. It applies to the handling of series 1 freight containers of length  $\geq 6$  metres with the dimensional and securing characteristics as specified in ISO 668 and ISO 3874.

Keel en

Asendab EVS-EN 1459:1999; EVS-EN 1459:1999/A1:2006

#### **EVS-EN 1495:1999+A2:2009/AC:2010**

Hind 0,00

Identne EN 1495:1997+A2:2009/AC:2010

#### **Tösteplatvormid. Mastil liikuvad tööplatvormid**

Keel en

#### **EVS-EN ISO 3691-5:2010**

Hind 219,00

Identne EN ISO 3691-5:2009

ja identne ISO 3691-5:2009

#### **Tööstuslikud mootorkärud. Ohutusnõuded ja kontrollimine. Osa 5: Jalakäijate poolt kasutatavad kärud**

This part of ISO 3691 gives safety requirements and the means for their verification for the following types of pedestrian-propelled trucks (hereafter referred to as trucks), equipped with load-handling devices for normal industrial duties, e.g. fork arms and platforms, or integrated attachments for special applications: - pedestrian-propelled straddle stackers, - pallet stackers, - industrial trucks with capacities not exceeding 1 000 kg with manual or electrical battery-powered lifting, - low-lift pallet trucks with lift height up to 300 mm and rated capacity up to 2 300 kg, - scissor-lift pallet trucks with lift heights up to 1 000 mm or rated capacity up to 1 000 kg with manual or electrical battery-powered lifting. It is applicable to trucks provided with either manual or electrical battery-powered lifting, operating on smooth, level, hard surfaces.

Keel en

Asendab EVS-EN 1459:1999; EVS-EN 1726-1:1999; EVS-EN 1757-1:2002; EVS-EN 1757-2:2002; EVS-EN 1757-4:2003

### **ASENDATUD VÕI TÜHISTATUD STANDARDID**

#### **EVS 1991-5:2003**

ja identne EVS 1991-5:2003

#### **Ehituskonstruksioonide koormused. Osa 5: Kraanade ja muude mehhanismide põhjustatud koormused**

EVS 1991-5 annab hoonete ja rajatiste projekteerimise üldpõhimõtted, koormused, samuti teatud geotehnilisi seisukohti. Teda kasutatakse koos standarditega EVS 1992 - EVS 1999. Seda standardit võib kasutada ka selliste konstruksioonide projekteerimisel, mida praeguseks avaldatud standardid ei hõlma ja kus on kasutatud teistsuguseid materjale või koormusi. EVS 1991-5 hõlmab ka ehitusaegseid koormusi ja ajutiste ehitiste projekteerimist. Teda tuleks kasutada kõigil juhtudel, kus konstruksioonilt nõutakse küllaldast toimivust. EVS 1991-5 ei ole otseselt mõeldud olemasolevate ehitiste konstruksioonide hindamiseks nende remondi, rekonstrueerimise või kasutuseesmärgi muutmise puhul, kuid sobivuse korral võib kasutada. EVS 1991-5 ei hõlma projekteerimise eriolukordi, kus rakendatakse era-kordseid usaldatavuskriteeriume nagu näiteks tuumarajatiste korral. Sellistel juhtudel kasutatakse spetsiaalseid projekteerimiseeskirju.

Keel et

Asendatud EVS-EN 1991-3:2006; EVS-EN 1991-3:2006+NA:2008; EVS-EN 1991-3/NA:2008

#### **EVS 1993-6:2003**

ja identne EVS 1993-6:2003

#### **Teraskonstruksioonid. Osa 6: Kraanade kandekonstruksioonid**

Käesolevas standardis antakse eeskirjad ja nende rakendusjuhised kraanatalade ja muude kraanasid kandvate konstruksioonide, kaasa arvatud postide ja muude terasest konstruksioonielementide projekteerimiseks. Standard käsitleb nii hoone sees kui väljaspool hoonet paiknevaid sildkraanateid.

Keel et

Asendatud EVS-EN 1993-6:2007; EVS-EN 1993-6:2007+NA:2009; EVS-EN 1993-6/NA:2009

**EVS-EN 1459:1999**

Identne EN 1459:1998+AC:2006

**Tööstuslike mootorkärude ohutus. Erineva töösooniga liikurkäru**

This Standard applies to self-propelled seated rider operated variable trucks. For the purpose of this standard, self-propelled seated rider operated reach trucks are counterbalanced lift trucks with booms used for stacking loads.

Keel en

Asendatud prEN ISO 3691-3 rev; prEN ISO 3691-6 rev; prEN ISO 3691-4 rev; prEN ISO 3691-1; EVS-EN ISO 3691-5:2010; EVS-EN 1459:1998+A2:2010

**EVS-EN 1459:1999/A1:2006**

Identne EN 1459:1998/A1:2006

**Tööstuslike mootorkärude ohutus. Erineva töösooniga liikurkäru**

This Standard applies to self-propelled seated rider operated variable trucks. For the purpose of this standard, self-propelled seated rider operated reach trucks are counterbalanced lift trucks with booms used for stacking loads.

Keel en

Asendatud EVS-EN 1459:1998+A2:2010

**EVS-EN 1726-1:1999**

Identne EN 1726-1:1998

**Tööstuslike mootorkärude ohutus. Liikur-mootorkäru, mille kandejõud ei ületa 10 000 kg ja tööstuslikud traktorid, mille haakeseadise tõmme ei ületa 20 000 N. Osa 1: Üldnõuded**

This Standard applies to self-propelled industrial trucks including masted rough terrain trucks.

Keel en

Asendatud prEN ISO 3691-4 rev; prEN ISO 3691-6 rev; prEN ISO 3691-3 rev; prEN ISO 3691-1; EVS-EN ISO 3691-5:2010

**EVS-EN 1757-2:2002**

Identne EN 1757-2:2001

**Tööstuslike mootorkärude ohutus. (Käija poolt juhitud) mootorkäru. Osa 2: Kaubaaluste mootorkäru**

This standard applies to pallet trucks as defined in 3.1 with lift heights up to 300 mm and rated capacities up to and including 2 000 kg, hereinafter referred to as "trucks".

Keel en

Asendatud EVS-EN ISO 3691-5:2010

**EVS-EN 1757-4:2003**

Identne EN 1757-4:2003

**Tööstuslike mootorkärude ohutus. (Käija poolt juhitud) mootorkäru. Osa 4: Kahveltõstukid aluste teisaldamiseks**

This standard applies to pedestrian propelled industrial scissor lift pallet trucks as defined in 3.1 with lift heights up to 1,000 mm and rated capacities up to and including 1,000 kg hereinafter referred to as "trucks". On board battery chargers are part of the truck

Keel en

Asendatud EVS-EN ISO 3691-5:2010

**EVS-EN 1757-1:2002**

Identne EN 1757-1:2001

**Tööstuslike mootorkärude ohutus. (Käija poolt juhitud) mootorkäru. Osa 1: Virnastusmootorkäru**

This standard applies to straddle, pallet and platform pedestrian propelled stacking industrial trucks as defined in 3.1 with capacities not exceeding 1 000 kg, hereinafter referred to as "trucks" equipped with fork arms or platform or other attachment.

Keel en

Asendatud EVS-EN ISO 3691-5:2010

**KAVANDITE ARVAMUSKÜSITLUS****EN 13135-2:2004/FprA1**

Identne EN 13135-2:2004/FprA1:2010

Tähtaeg 29.04.2010

**Kraanad. Seadmed. Osa 2: Mitte-elektrotehnilised seadmed**

This European Standard specifies requirements for design and selection of non-electrotechnical equipment for all types of crane with the objectives of protecting personnel from hazards affecting their lives and health and of ensuring reliability of function. The fixed load lifting attachments are integral part of the crane and therefore belong also to the scope of this standard.

Keel en

**FprEN ISO 3266**

Identne FprEN ISO 3266:2010

ja identne ISO/FDIS 3266:2010

Tähtaeg 29.04.2010

**Forged steel eyebolts grade 4 for general lifting purposes**

This International Standard specifies the general characteristics, performance and critical dimensions necessary for interchangeability and compatibility with other components, of forged steel eyebolts Grade 4 for general lifting purposes. These eyebolts can be used for axial and inclined loading. This International Standard specifies the dimensions of the eyes of eyebolts permitting direct connection with shackles of the same working load limit as those defined in ISO 2415. These dimensions also allow designs with a larger eye which can permit direct connection with sling hooks of similar working load limit. This International Standard covers all significant hazards, hazardous situations and events relevant to eyebolts grade 4 as defined in Clause 4. This International Standard is applicable to eyebolts grade 4 for use in the temperature range of -20 °C to 200 °C. This International Standard is not applicable to eyebolts which are not forged in one piece. This International Standard is not applicable to forged steel eyebolts grade 4 manufactured before the date of its publication as an International Standard.

Keel en

**prEN ISO 3450**

Identne prEN ISO 3450:2009  
ja identne ISO/DIS 3450:2009  
Tähtaeg 29.04.2010

**Earth-moving machinery - Wheeled or high-speed rubber-tracked machines - Performance requirements and test procedures for brake systems**

This International Standard specifies minimum performance and test criteria for brake systems to enable uniform assessment of the service, secondary, and parking brake systems of wheeled machines or high speed rubber tracked machines.

Keel en

Asendab EVS-EN ISO 3450:2008

**59 TEKSTIILI- JA NAHATEHNOLOOGIA****UUED STANDARDID JA PUBLIKATSIOONID****EVS-EN ISO 2062:2010**

Hind 114,00

Identne EN ISO 2062:2009  
ja identne ISO 2062:2009

**Textiles - Yarns from packages - Determination of single-end breaking force and elongation at break using constant rate of extension (CRE) tester**

This International Standard specifies methods for the determination of the breaking force and elongation at break of textile yarns taken from packages. Four methods are given: - A: manual; specimens are taken directly from conditioned packages; - B: automatic; specimens are taken directly from conditioned packages; - C: manual; relaxed test skeins are used after conditioning; - D: manual; specimens are used after wetting.

Keel en

Asendab EVS-EN ISO 2062:2000

**EVS-EN ISO 10325:2010**

Hind 92,00

Identne EN ISO 10325:2009  
ja identne ISO 10325:2009

**Fibre ropes - High modulus polyethylene - 8-strand braided ropes, 12-strand braided ropes and covered ropes**

This International Standard specifies requirements for 8-strand braided ropes, for 12-strand braided ropes, and for covered rope constructions made of high modulus polyethylene (HMPE), and gives rules for their designation.

Keel en

**EVS-EN ISO 10547:2010**

Hind 80,00

Identne EN ISO 10547:2009  
ja identne ISO 10547:2009

**Polyester fibre ropes - Double braid construction**

This International Standard specifies requirements for double braided ropes and for higher-strength double braided ropes made of polyester and gives rules for their designation.

Keel en

Asendab EVS-EN 14684:2005

**EVS-EN ISO 10554:2010**

Hind 80,00

Identne EN ISO 10554:2009  
ja identne ISO 10554:2009

**Polyamide fibre ropes - Double braid construction**

This International Standard specifies requirements for double braided ropes and for higher-strength double braided ropes made of polyamide and gives rules for their designation.

Keel en

**EVS-EN ISO 10556:2010**

Hind 92,00

Identne EN ISO 10556:2009  
ja identne ISO 10556:2009

**Fibre ropes of polyester/polyolefin dual fibres**

This International Standard specifies requirements for 3-strand hawser-laid, 8-strand and 12-strand braided fibre ropes made of polyester in combination with polyolefin, and gives rules for their designation.

Keel en

Asendab EVS-EN 14686:2005

**EVS-EN ISO 10572:2010**

Hind 105,00

Identne EN ISO 10572:2009  
ja identne ISO 10572:2009

**Mixed polyolefin fibre ropes**

This International Standard specifies requirements for 3-strand hawser-laid, 4-strand shroud-laid, 8-strand braided and 12-strand braided ropes made of mixed polyolefin fibres, and gives rules for their designation.

Keel en

Asendab EVS-EN 14687:2005

**ASENDATUD VÕI TÜHISTATUD STANDARDID****EVS-EN 14684:2005**

Identne EN 14684:2004

**Polyester fibre ropes - Double braid construction**

This European Standard specifies requirements for double braided ropes and for higher strength double braided ropes made of polyester and gives rules for their designation.

Keel en

Asendatud EVS-EN ISO 10547:2010

**EVS-EN 14686:2005**

Identne EN 14686:2004

**Fibre ropes of polyester/polyolefin dual fibres**

This European Standard specifies requirements for 3-strand hawser-laid, 8 strand and 12 strand braided ropes made of polyester in combination with polyolefin and it gives rules for their designation.

Keel en

Asendatud EVS-EN ISO 10556:2010

**EVS-EN 14687:2005**

Identne EN 14687:2004

**Mixed polyolefin fibre ropes**

This European Standard specifies requirements for 3-strand hawser-laid, 4-strand shroud laid, 8-strand braided and 12-strand braided ropes made of mixed polyolefin fibres and gives rules for their designation.

Keel en

Asendatud EVS-EN ISO 10572:2010

## **EVS-EN ISO 2062:2000**

Identne EN ISO 2062:1995

ja identne ISO 2062:1993

### **Tekstiil. Lõng pakmelt. Ühekordse lõnga katkevuskooormuse ja katkepikenemise määramine**

See rahvusvaheline standard määrab kindlaks meetodid pakendatud tekstiililõngade katketugevuse ja katkevenivuse määramiseks. On antud neli meetodit: A - käsitsimeetod; materjalinäidis võetakse otse konditsioneeritud pakenditest. B: automaatne; materjalinäidis võetakse otse konditsioneeritud pakenditest; C: käsitsimeetod; relakseeritud proovipasmaseid kasutatakse pärast konditsioneerimist; D: käsitsimeetod; materjalinäidiseid kasutatakse pärast märgamist.

Keel en

Asendatud EVS-EN ISO 2062:2010

## **65 PÖLLUMAJANDUS**

### **UUED STANDARDID JA PUBLIKATSIOONID**

#### **EVS-EN 709:1997+A4:2010**

Hind 229,00

Identne EN 709:1997+A4:2009

#### **Põllumajandus- ja metsatöömasinad. Püstijala juhitud traktorid pöörlevate külgemonteerivate kultivaatoritega, mootorkobestid, vedavate ratastega mootorkobestid. Ohutus**

This European Standard specifies safety requirements and testing for design and construction of, pedestrian controlled tractors with mounted rotary cultivators with the cultivator rotating axis horizontal and perpendicular to the direction of motion of the machine, motor hoes and motor hoes with drive wheel(s), all as used in agriculture, forestry, landscaping and gardening (including amenity use). It describes methods for the elimination or reduction of risks arising from their use. In addition, it specifies the type of information to be provided by the manufacturer on safe working practices. This European Standard does not cover the requirements to fulfil national road traffic regulations such as lights, steering and braking. Environmental aspects have not been considered in this standard. This European Standard applies primarily to machines which are manufactured after the date of issue of the standard.

Keel en

Asendab EVS-EN 709:1999+A2:2009

#### **EVS-EN 13684:2004+A3:2010**

Hind 256,00

Identne EN 13684:2004+A3:2009

#### **Aiapidamisseadmed. Jalakäija poolt kontrollitavad muruõhutus- ja samblaemaldusseadmed. Ohutus**

This European Standard specifies safety requirements and their verification for the design and construction of pedestrian controlled integrally powered lawn aerators and scarifiers which are designed for re-generating lawns by, for instance, combing out grass, thatch and moss or cutting vertically into the lawn face using tines which rotate about a horizontal axis. It describes methods of elimination or reduction of hazards arising from their use. In addition, it specifies the type of information to be provided by the manufacturer on safe working practices.

Keel en

Asendab EVS-EN 13684:2004+A2:2009

## **EVS-EN ISO 4254-1:2010**

Hind 229,00

Identne EN ISO 4254-1:2009

ja identne ISO 4254-1:2008

### **Põllumajandusmasinad. Ohutus. Osa 1: Üldnõuded**

This part of ISO 4254 specifies the general safety requirements and their verification for the design and construction of self-propelled ride-on machines and mounted, semi-mounted or trailed machines used in agriculture. In addition, it specifies the type of information on safe working practices (including residual risks) to be provided by the manufacturer. This part of ISO 4254 deals with significant hazards (as listed in Annex A), hazardous situations and events relevant to this agricultural machinery used as intended and under the conditions foreseen by the manufacturer (see Clause 4). This part of ISO 4254 is not applicable to - tractors, - aircraft, - air-cushion vehicles, or - lawn and garden equipment. This part of ISO 4254 is not applicable to environmental hazards, road safety, electromagnetic compatibility, or to the power take-off (PTO) drive shaft; neither is it applicable to moving parts for power transmission except for strength requirements for guards and barriers (see 4.7), nor to vibration except in respect of declarations. It is not applicable to hazards related to maintenance or repairs to be carried out by professional service personnel.

Keel en

Asendab EVS-EN ISO 4254-1:2006

#### **EVS-EN ISO 4254-6:2010**

Hind 166,00

Identne EN ISO 4254-6:2009

ja identne ISO 4254-6:2009

#### **Põllumajandusmasinad. Ohutus. Osa 6: Pritsid ja vedelväetise laotussüsteemid**

This part of ISO 4254, to be used together with ISO 4254-1, specifies the safety requirements and their verification for the design and construction of mounted, semi-mounted, trailed and self-propelled agricultural sprayers for use with pesticide products and liquid fertilizer application, designed for use by one operator only. In addition, it specifies the type of information on safe working practices (including residual risks) to be provided by the manufacturer.

Keel en

Asendab EVS-EN 907:1999

#### **EVS-EN ISO 4254-10:2010**

Hind 219,00

Identne EN ISO 4254-10:2009

ja identne ISO 4254-10:2009

#### **Põllumajandusmasinad. Ohutus. Osa 10: Pöördäkked ja kultivaatorid**

This part of ISO 4254, to be used together with ISO 4254-1, specifies the safety requirements and their verification for the design and construction of rotary tedders, rotary rakes and rotary tedder-rakes, including rotary drum rakes, used by one person (the operator) only, having one or several powered rotors, mounted, semi-mounted, trailed or self-propelled. In addition, it specifies the type of information on safe working practices, including residual risks, to be provided by the manufacturer.

Keel en

#### **EVS-EN ISO 11545:2010**

Hind 155,00

Identne EN ISO 11545:2009

ja identne ISO 11545:2009

#### **Agricultural irrigation equipment - Centre-pivot and moving lateral irrigation machines with sprayer or sprinkler nozzles - Determination of uniformity of water distribution**

This International Standard specifies an in-field method for determining the uniformity of water distribution in the field from centre-pivot and moving lateral irrigation machines equipped with sprayer or sprinkler nozzles. The calculation of the coefficient of uniformity is also specified. This International Standard is applicable to agricultural irrigation machines for which the water application device is more than 1,5 m above the soil surface and for which the water distribution from successive devices overlaps. It is not applicable to the evaluation of centre-pivot irrigation machines equipped with various corner arm application devices.

Keel en

Asendab EVS-EN ISO 11545:2002

#### **EVS-EN ISO 28139:2010**

Hind 166,00

Identne EN ISO 28139:2009

ja identne ISO 28139:2009

#### **Põllumajandus- ja metsamasinad. Seljaskantavad sisepõlemismootoriga udupihustid. Ohutusnõuded**

This International Standard specifies safety requirements and their verification for the design and construction of knapsack mistblowers incorporating a combustion engine where the air flow is generated by a fan. It describes methods for the elimination or reduction of hazards arising from their use. In addition, it specifies the type of information on safe working practices to be provided by the manufacturer. It does not, however, give any technical requirement for reducing noise or vibration hazards. Indeed, the different means available to reduce these hazards are a matter for the technical aids to which the manufacturer may resort, through specialized books or specified bodies.

Keel en

#### **ASENDATUD VÕI TÜHISTATUD STANDARDID**

#### **EVS-EN 709:1999+A2:2009**

Identne EN 709:1997+A2:2009

#### **Põllumajandus- ja metsatöömasinad. Püstijalu juhitud traktorid pöörlevate külgemonteeritavate kultivaatoritega, mootorkobestid, vedavate ratastega mootorkobestid. Ohutus KONSOLIDEERITUD TEKST**

This European Standard specifies safety requirements and testing for design and construction of, pedestrian controlled tractors with mounted rotary cultivators with the cultivator rotating axis horizontal and perpendicular to the direction of motion of the machine, motor hoes and motor hoes with drive wheel(s), all as used in agriculture, forestry, landscaping and gardening (including amenity use).

Keel en

Asendab EVS-EN 709:1999

Asendatud EVS-EN 709:1997+A4:2010

#### **EVS-EN 907:1999**

Identne EN 907:1997

#### **Põllumajandus- ja metsatöömasinad. Taimekaitsepritsid ja vedelväetise laoturid. Ohutus**

Käesolev standard sätestab üksikasjalikud ohutusnõuded ja nende kontrollimise keemiliste kaitsevahendite ja vedelväetise laoturite/pritside projekteerimiseks ja konstrueerimiseks. Standard on rakendatav ühe masinisti poolt juhitavatele põllumajanduslikele ripp-, poolripp-, haake- ja iseliikuvatele taimepritsidele.

Keel et

Asendatud EVS-EN ISO 4254-6:2010

#### **EVS-EN 13684:2004+A2:2009**

Identne EN 13684:2004+A2:2009

#### **Aiapidamiseadmed. Jalakäija poolt kontrollitavad muruõhutus- ja samblaemaldusseadmed. Ohutus KONSOLIDEERITUD TEKST**

This European Standard specifies safety requirements and their verification for the design and construction of pedestrian controlled integrally powered lawn aerators and scarifiers which are designed for re-generating lawns by, for instance, combing out grass, thatch and moss or cutting vertically into the lawn face using tines which rotate about a horizontal axis. It describes methods of elimination or reduction of hazards arising from their use. In addition, it specifies the type of information to be provided by the manufacturer on safe working practices.

Keel en

Asendab EVS-EN 13684:2004

Asendatud EVS-EN 13684:2004+A3:2010

#### **EVS-EN ISO 4254-1:2006**

Identne EN ISO 4254-1:2005

ja identne ISO 4254-1:2005

#### **Agricultural machinery — Safety — Part 1: General requirements**

This part of ISO 4254 specifies the general safety requirements and their verification for the design and construction of self-propelled ride-on machines and mounted, semi-mounted or trailed machines used in agriculture.

Keel en

Asendab EVS-EN 1553:2000

Asendatud EVS-EN ISO 4254-1:2010

#### **EVS-EN ISO 11545:2002**

Identne EN ISO 11545:2001

ja identne ISO 11545:2001

#### **Agricultural irrigation equipment - Centre-pivot and moving lateral irrigation machines with sprayer or sprinkler nozzles - Determination of uniformity of water distribution**

This standard specifies a method for determining the uniformity of water distribution in the field from centre-pivot and moving lateral irrigation machines equipped with sprayer and sprinkler nozzles. The calculation of the coefficient of uniformity is also specified.

Keel en

Asendatud EVS-EN ISO 11545:2010

## **KAVANDITE ARVAMUSKÜSITLUS**

### **prEN ISO 5395-1**

Identne prEN ISO 5395-1:2010  
ja identne ISO/DIS 5395-1:2010  
Tähtaeg 29.04.2010

#### **Garden equipment - Safety of powered lawnmowers - Part 1: Terminology and common tests**

This part of ISO 5395 specifies terminology and common test methods used for verification of safety requirements for integrally combustion engine powered rotary lawnmowers and cylinder lawnmowers including pedestrian controlled (with or without sulky) and ride-on (riding or standing) types (hereafter named "lawnmower"), and equipped with: metallic cutting means; and/or non-metallic cutting means with one or more cutting elements pivotally mounted on a generally circular drive unit, where these cutting elements rely on centrifugal force to achieve cutting, and have a kinetic energy for each single cutting element of 10 J or more. This document does not apply to: robotic and remote controlled lawnmowers, flail mowers, grassland mowers, sickle bar mowers, towed /semi-mounted mowers, and scrub-clearing machines; cutting means assembly when used in combination with an agricultural tractor; electrical powered and battery-powered lawnmowers.

Keel en

Asendab EVS-EN 836:1999; EVS-EN 836:1999/A2:2001; EVS-EN 836:1999/A3:2004

### **prEN ISO 5395-2**

Identne prEN ISO 5395-2:2010  
ja identne ISO/DIS 5395-2:2010  
Tähtaeg 29.04.2010

#### **Garden equipment - Safety of powered lawnmowers - Part 2: Pedestrian controlled lawnmowers**

1.1 This document specifies safety requirements and their verification for integrally combustion engine powered pedestrian controlled (with or without sulky) rotary lawnmowers and cylinder lawnmowers (hereafter named "lawnmower"), and equipped with: - metallic cutting means; and/or - non-metallic cutting means with one or more cutting elements pivotally mounted on a generally circular drive unit, where these cutting elements rely on centrifugal force to achieve cutting, and have a kinetic energy for each single cutting element of 10 J or more. This document does not apply to: - robotic and remote controlled lawnmowers, flail mowers, grassland mowers, sickle bar mowers, towed /semi-mounted mowers, and scrub-clearing machines; - cutting means assembly when used in combination with an agricultural tractor; - electrical powered and battery-powered lawnmowers. [2] [3]

Keel en

Asendab EVS-EN 836:1999; EVS-EN 836:1999/A2:2001; EVS-EN 836:1999/A3:2004

### **prEN ISO 5395-3**

Identne prEN ISO 5395-3:2010  
ja identne ISO/DIS 5395-3:2010  
Tähtaeg 29.04.2010

#### **Garden equipment - Safety of powered lawnmowers - Part 3: Ride-on lawnmowers**

1.1 This document specifies safety requirements and their verification for integrally combustion engine powered ride-on (riding or standing) rotary lawnmowers and cylinder lawnmowers (hereafter named "lawnmower"), and equipped with: - metallic cutting means; and/or - non-metallic cutting means with one or more cutting elements pivotally mounted on a generally circular drive unit, where these cutting elements rely on centrifugal force to achieve cutting, and have a kinetic energy for each single cutting element of 10 J or more. This document does not apply to: - robotic and remote controlled lawnmowers, flail mowers, grassland mowers, sickle bar mowers, towed /semi-mounted mowers, and scrub-clearing machines; - cutting means assembly when used in combination with an agricultural tractor; - electrical powered and battery-powered lawnmowers.

Keel en

Asendab EVS-EN 836:1999; EVS-EN 836:1999/A2:2001; EVS-EN 836:1999/A3:2004

## **67 TOIDUAINETE TEHNOLOOGIA**

### **UUED STANDARDID JA PUBLIKATSIOONID**

#### **EVS-EN 453:2000+A1:2010**

Hind 229,00

Identne EN 453:2000+A1:2009

#### **Toidutöötlemismasinad. Taignasegistid. Ohutus- ja hügieeninõuded**

This standard specifies safety and hygiene requirements for the design and manufacture of dough mixers with rotating bowls of capacity greater than or equal to 5 l 1) and less than or equal to 500 l. These dough mixers are used to process various ingredients e.g. flour, sugar, fat, salt, water and other ingredients in food manufacturers and shops. These machines are sometimes used in other industries (e.g. pharmaceutical industry, chemical industry, printing), but hazards related to these uses are not considered in this standard.

Keel en

Asendab EVS-EN 453:2000

#### **EVS-EN 454:2000+A1:2010**

Hind 243,00

Identne EN 454:2000+A1:2009

#### **Toidutöötlemismasinad. Planetaarsegistid . Ohutus- ja hügieeninõuded**

This standard specifies safety and hygiene requirements for the design and manufacture of fixed bowl planetary mixers of capacity greater than or equal to 5 l 1) and less than 500 l used to process various ingredients e.g. cocoa, flour, sugar, oils and fat, minced meat, eggs, and other ingredients, in the food industry and shops. These machines are sometimes used in other industries (e.g. pharmaceutical industry, chemical industry, printing, etc.), but hazards related to these uses are not considered in this standard.

Keel en

Asendab EVS-EN 454:2000

**EVS-EN 1674:2000+A1:2010**

Hind 229,00

Identne EN 1674:2000+A1:2009

**Toidutöötlemismasinad. Taigna ja kondiitritoodete sötkurid. Ohutus- ja hügieeninõuded**

This standard specifies safety and hygiene requirements for the design and manufacture of dough and pastry brakes used in the food industry and shops (bread-making, pastry-making, sweet industries, bakeries, confectioners, delicatessens, catering facilities, etc) for reducing the thickness of a solid mass of dough or pastry by rolling it out. The operation is generally carried out by passing the dough back and forth between the rollers whose distance apart is reduced progressively either by manual adjustment or automatically.

Keel en

Asendab EVS-EN 1674:2001

**EVS-EN 13288:2005+A1:2010**

Hind 229,00

Identne EN 13288:2005+A1:2009

**Toidutöötlemismasinad. Kausi tõstmise ja kallutamise masinad. Ohutus- ja hügieeninõuded**

This European Standard specifies safety and hygiene requirements for the design, installation, operation and maintenance of lifting and tilting machines used, in bakeries, for lifting and/or tilting a container or a machine with non removable bowl containing dough or pastry and for tipping the contents at the top end of the stroke. The lifting and tilting machines can be stationary or movable and are designed for semi-manufactured products (mixtures of flour, water and other ingredients) or raw material (flour, mixtures etc.). The direction of lifting can be vertical, inclined or combined and follows a track fixed by mechanical guides, or articulated arms.

Keel en

Asendab EVS-EN 13288:2005

**EVS-EN 13389:2005+A1:2010**

Hind 229,00

Identne EN 13389:2005+A1:2009

**Toidutöötlemismasinad. Horisontaalse völliga mikserid. Ohutus- ja hügieeninõuded**

This European Standard specifies requirements for the design, transport, installation, operation and maintenance of batch production fixed or tilting horizontal bowl type mixers with one or two rotating shafts with or without movable blades. These mixers are used to mix, knead and homogenise food for animal or human consumption in powder, paste or liquid form. The mixers can be floor mounted or transportable (with or without castors). They are intended to be used when stationary.

Keel en

Asendab EVS-EN 13389:2005

**EVS-EN 13390:2002+A1:2010**

Hind 243,00

Identne EN 13390:2002+A1:2009

**Toidutöötlemismasinad. Piruka- ja tordimasinad. Ohutus- ja hügieeninõuded**

This standard specifies safety and hygienic design requirements for the manufacture of machines used for the production of pies, tarts, pasties, en croute products and other similar items where the pastry cases are formed by the closing under pressure of one or more forming heads. The standard applies to the following three basic types of machine: - machines where operators hands enter hazard zone 1 (see !4.2") at each cycle; - machines which are loaded outside hazard zone 1; - automatic machines. Figure 1, 2 and 3 illustrate examples of these. Automatic loading devices are not covered by this standard. This standard applies to electrically, pneumatically and hydraulically powered machines. Manually operated machines are excluded from the scope of this standard.

Keel en

Asendab EVS-EN 13390:2002

**EVS-EN 13591:2005+A1:2010**

Hind 243,00

Identne EN 13591:2005+A1:2009

**Toidutöötlemismasinad. Fikseeritud mehhanismiga praeahju täitmise seadmed. Ohutus- ja hügieeninõuded**

This European Standard applies to the design and manufacture of fixed deck oven loaders used in the food industry, bakeries, pastry-making, etc. These machines are used to place dough pieces on each deck of fixed deck ovens and to remove the baked products from each deck. This equipment may be: - manual; - semi-automatic (some movements powered, some movements requiring manual power). The European Standard covers technical safety and hygiene requirements for the design, installation, adjustment, operating, cleaning and maintenance of this equipment. - This European Standard deals with the significant hazards, hazardous situations and events relevant to fixed oven deck loaders, when they are used as intended and under conditions of misuse which are reasonably foreseeable by the manufacturer (see Clause 4). Noise from fixed deck oven loaders is not considered to be a significant hazard. That does not mean that the manufacturer of the machine is absolved from reducing noise and making a noise declaration. Therefore a noise test code is given in Annex A.

Keel en

Asendab EVS-EN 13591:2005



**EVS-EN 15763:2010**

Hind 145,00

Identne EN 15763:2009

**Foodstuffs - Determination of trace elements - Determination of arsenic, cadmium, mercury and lead in foodstuffs by inductively coupled plasma mass spectrometry (ICP-MS) after pressure digestion**

This European Standard specifies a method for the determination of arsenic, cadmium, mercury and lead in foodstuffs by inductively coupled plasma mass spectrometry (ICP-MS). The collaborative study included foodstuffs such as carrots, fish homogenate, Mushrooms (CRM), graham flour, a simulated diet E (CRM), scampi, mussel and a Tort-2 CRM having an arsenic mass fraction ranging from 0,06 mg/kg to 21,5 mg/kg dry matter (d. m.), cadmium ranging from 0,03 mg/kg to 28,3 mg/kg d. m., mercury ranging from 0,04 mg/kg to 0,56 mg/kg d. m. and lead from 0,01 mg/kg to 2,4 mg/kg d. m.

Keel en

**EVS-EN 15764:2010**

Hind 135,00

Identne EN 15764:2009

**Foodstuffs - Determination of trace elements - Determination of tin by flame and graphite furnace atomic absorption spectrometry (FAAS and GFAAS) after pressure digestion**

This European Standard specifies a method for the determination of tin in foodstuffs and canned foods by flame and graphite furnace atomic absorption spectrometry (AAS) after pressurized digestion. The collaborative study included foodstuffs such as carrot puree, tomato puree, pineapple, mixed fruit, white wine, peach powder, tomato powder, powdered beans, powdered fruit yoghurt, fish powder, having mass fractions of tin ranging from 43 mg/kg to 260 mg/kg (Flame-AAS) and from 2,5 mg/kg to 269 mg/kg (Graphite Furnace AAS).

Keel en

**EVS-EN 15765:2010**

Hind 114,00

Identne EN 15765:2009

**Foodstuffs - Determination of trace elements - Determination of tin by inductively coupled plasma mass spectrometry (ICP-MS) after pressure digestion**

This European Standard specifies a method for the determination of tin in foodstuffs by inductively coupled plasma mass spectrometry (ICP-MS) after pressurized digestion. The collaborative study included carrot puree, tomato puree, pineapple, mixed fruit, white wine, peach powder, tomato powder, beans powder, powdered fruit yoghurt and fish powder foodstuffs having a mass fraction of tin ranging from 2,5 mg/kg to 259 mg/kg.

Keel en

**EVS-EN ISO 7971-2:2010**

Hind 166,00

Identne EN ISO 7971-2:2009

ja identne ISO 7971-2:2009

**Cereals - Determination of bulk density, called mass per hectolitre - Part 2: Method of traceability for measuring instruments through reference to the international standard instrument**

This part of ISO 7971 specifies a test method for ensuring the traceability of mass per hectolitre measuring instruments through reference to standard measurement instruments. The mass per hectolitre or bulk density is of commercial importance for grain cereals. Several types of instruments with varying performances exist for measuring it. This part of ISO 7971 also specifies the performances required of national standards instruments, secondary standards instruments, and measuring instruments used in laboratories or in collection or storage silos.

Keel en

Asendab EVS 678:2003

**EVS-EN ISO 659:2010**

Hind 124,00

Identne EN ISO 659:2009

ja identne ISO 659:2009

**Õliseemned. Õlisisalduse määramine (võrdlusmeetod)**

This International Standard specifies a reference method for the determination of the hexane extract (or light petroleum extract), called the "oil content", of oilseeds used as industrial raw materials. The procedure for sunflower seed is different from those for other seeds as it includes an additional moisture content determination after the seed has been ground to prepare the test sample. The method has been tested on rapeseed, soya beans and sunflower seed. This does not, however, preclude its applicability to other commercial seeds. If required, the pure seeds and the impurities (see 9.4) can be analysed separately. In the case of groundnuts (see 10.1.6), the pure seeds, the total fines, the non-oleaginous impurities and the oleaginous impurities can be analysed separately.

Keel en

Asendab EVS-EN ISO 659:2000

**EVS-EN ISO 676:2010**

Hind 166,00

Identne EN ISO 676:2009

ja identne ISO 676:1995+Cor 1:1997

**Spices and condiments - Botanical nomenclature**

This International Standard gives a non-exhaustive list of the botanical names and common names in English and French of plants or parts of plants used as spices or condiments. NOTE 1 As per the ISTA list? the names of the botanists are given in an abbreviated form, but the names are given in full in annex B.

Keel en

**EVS-EN ISO 712:2010**

Hind 155,00

Identne EN ISO 712:2009

ja identne ISO 712:2009

**Cereals and cereal products - Determination of moisture content - Reference method**

This International Standard specifies a routine reference method for the determination of the moisture content of cereals and cereal products. This International Standard applies to: wheat, rice (paddy, husked and milled), barley, millet (*Panicum miliaceum*), rye, oats, triticale, sorghum in the form of grains, milled grains, semolina or flour. The method is not applicable to maize and pulses.

Keel en

**EVS-EN ISO 948:2010**

Hind 80,00

Identne EN ISO 948:2009

ja identne ISO 948:1980

**Spices and condiments - Sampling**

This International Standard specifies a method of sampling spices and condiments.

Keel en

**EVS-EN ISO 3093:2010**

Hind 145,00

Identne EN ISO 3093:2009

ja identne ISO 3093:2009

**Nisu, rukis ja nimetatud teraviljast valmistatud jahu, durumnisu ja durumnisust valmistatud manna.****Langemisarvu määramine Hagberg-Perten meetodil**

This International Standard specifies the determination of the  $\alpha$ -amylase activity of cereals by the falling number (FN) method according to Hagberg-Perten. This method is applicable to cereal grains, in particular to wheat and rye and their flours, durum wheat and its semolina. This method is not applicable to the determination of low levels of  $\alpha$ -amylase activity. By converting the FN into a liquefaction number (LN), it is possible to use this method to estimate the composition of mixtures of grain, flour or semolina with known FNs necessary to produce a sample of a required FN.

Keel en

Asendab EVS-EN ISO 3093:2007/AC:2009; EVS-EN ISO 3093:2007

**EVS-EN ISO 6465:2010**

Hind 80,00

Identne EN ISO 6465:2009

ja identne ISO 6465:2009

**Whole cumin (*Cuminum cyminum* L.) - Specification**

This International Standard specifies requirements for fruits<sup>1</sup> of cumin (*Cuminum cyminum* L.).

Recommendations relating to storage and transport conditions are given in Annex A.

Keel en

**EVS-EN ISO 7971-1:2010**

Hind 105,00

Identne EN ISO 7971-1:2009

ja identne ISO 7971-1:2009

**Cereals - Determination of bulk density, called mass per hectolitre - Part 1: Reference method**

This part of ISO 7971 specifies the reference method for the determination of bulk density, called "mass per hectolitre", of cereals as grain.

Keel en

Asendab EVS 678:2003

**EVS-EN ISO 7971-3:2010**

Hind 145,00

Identne EN ISO 7971-3:2009

ja identne ISO 7971-3:2009

**Cereals - Determination of bulk density, called mass per hectolitre - Part 3: Routine method**

This part of ISO 7971 specifies a routine method for the determination of bulk density, called "mass per hectolitre" of cereals as grain using manual or automatic, mechanical, electric or electronic mass per hectolitre measuring instruments.

Keel en

Asendab EVS 678:2003

**EVS-EN ISO 11701:2010**

Hind 124,00

Identne EN ISO 11701:2009

ja identne ISO 11701:2009

**Vegetable fats and oils - Determination of phospholipids in lecithins by HPLC using a light-scattering detector**

This International Standard specifies a method for the quantitative determination of phospholipids content by high performance liquid chromatography (HPLC) using a diol column and a light-scattering detector. The method is applicable to crude, oil-containing lecithins, and to oil-free lecithins and lecithin fractions from vegetable fats and oils. The method is not applicable to animal and ruminant lecithins and enzymatically hydrolysed lecithins as the peak separation of lysophosphatidylethanolamine (LPE), lysophosphatidylinositol (LPI) and lysophosphatidic acid (LPA) is insufficient.

Keel en

**EVS-EN ISO 11702:2010**

Hind 105,00

Identne EN ISO 11702:2009

ja identne ISO 11702:2009

**Animal and vegetable fats and oils - Enzymatic determination of total sterols content**

This International Standard specifies a method for the quantitative determination of the total sterols content by means of an enzymatic staining test. The method is applicable to free and esterified sterols in animal and vegetable fats and oils, fatty foods and related products. The determination is applicable to sample quantities of 1 g to 2 g of fat. The method is not applicable to dark coloured fats and oils, e.g. crude palm oil. The enzyme is not specific for cholesterol, but also oxidizes other 3-hydroxysterols. The method has not been tested for products fortified with sterols at higher levels.

Keel en

### **EVS-EN ISO 12966-3:2010**

Hind 80,00

Identne EN ISO 12966-3:2009

ja identne ISO 12966-3:2009

#### **Animal and vegetable fats and oils - Gas chromatography of fatty acid methyl esters - Part 3: Preparation of methyl esters using trimethylsulfonium hydroxide (TMSH)**

This part of ISO 12966 specifies a rapid base-catalysed transesterification method of fats and oils with trimethylsulfonium hydroxide (TMSH) to prepare fatty acid methyl esters. The method is exclusively applicable to the preparation of methyl esters of fats and oils for gas liquid chromatographic (GLC) analysis. It is applicable to all fats and oils including milk fat and blends containing milk fat. Isomerization of unsaturated fatty acids only occurs to a minor extent and isomerized fatty acids are only present at the determination limit. As isomerization takes place, the procedure is not recommended for conjugated linoleic acid (CLA). As CLA is not correctly analysed, this method is not applicable to the determination of the complete fatty acid composition of milk fat samples. Free fatty acids are only esterified to about 70 % to 80 %. In the case of conjugated cyclopropyl and cyclopropenyl fatty acids, side reactions may occur, but these do not interfere with the determination of the fatty acids.

Keel en

### **EVS-EN ISO 24333:2010**

Hind 198,00

Identne EN ISO 24333:2009

ja identne ISO 24333:2009

#### **Teraviljad ja teraviljatooted. Proovide võtmine**

This International Standard specifies requirements for the dynamic or static sampling, by manual or mechanical means, of cereals and cereal products, for assessment of their quality and condition. It is applicable to sampling for the determination of heterogeneously distributed contaminants, undesirable substances, and parameters usually homogeneously distributed like those used to assess quality or compliance with specification. It can be used to determine insects in a grain lot.

Keel en

### **ASENDATUD VÕI TÜHISTATUD STANDARDID**

#### **EVS 678:2003**

ja identne EVS 678:2003

#### **Teravili. Mahukaalu määramine**

Standard käsitleb teravilja (nisu, kaer, oder ja rukis) mahukaalu määramismeetodid kasutades 1 l mõõtekonteinerit.

Keel et

Asendab EVS 678:1995

Asendatud EVS-EN ISO 7971-1:2010; EVS-EN ISO 7971-2:2010; EVS-EN ISO 7971-3:2010

#### **EVS-EN 453:2000**

Identne EN 453:2000

#### **Toidutöötlemismasinad. Taignasegistid. Ohutus- ja hügieeninõuded**

This standard specifies safety and hygiene requirements for the design and manufacture of dough mixers with rotating bowls of capacity greater than or equal to 5l and less than or equal to 500l.

Keel en

Asendatud EVS-EN 453:2000+A1:2010

### **EVS-EN 454:2000**

Identne EN 454:2000

#### **Toidutöötlemismasinad. Planetaarsegistid . Ohutus- ja hügieeninõuded**

This standard specifies safety and hygiene requirements for the design and manufacture of fixed bowl planetary mixers of capacity greater than or equal to 5l and less than 500l used to process various ingredients e.g. cocoa, flour, sugar, oils and fat, minced meat, eggs, and other ingredients, in the food industry and shops.

Keel en

Asendatud EVS-EN 454:2000+A1:2010

### **EVS-EN 1674:2001**

Identne EN 1674:2000

#### **Toidutöötlemismasinad. Taigna ja kondiitritoode sötkurid. Ohutus- ja hügieeninõuded**

This standard specifies safety and hygiene requirements for the design and manufacture of dough and pastry brakes used in the food industry and shops (bread-making, pastry-making, sweet industries, bakeries, confectioners, delicatessens, catering facilities, etc.) for reducing the thickness of a solid mass of dough or pastry by rolling it out. The operation is generally carried out by passing the dough back and forth between the rollers whose distance apart is reduced progressively either by manual adjustment or automatically.

Keel en

Asendatud EVS-EN 1674:2000+A1:2010

### **EVS-EN 13288:2005**

Identne EN 13288:2005

#### **Toidutöötlemismasinad. Kausi tõstmise ja kallutamise masinad. Ohutus- ja hügieeninõuded**

This European Standard specifies safety and hygiene requirements for the design, installation, operation and maintenance of lifting and tilting machines used, in bakeries, for lifting and/or tilting a container or a machine with non removable bowl containing dough or pastry and for tipping the contents at the top end of the stroke.

Keel en

Asendatud EVS-EN 13288:2005+A1:2010

### **EVS-EN 13389:2005**

Identne EN 13389:2005

#### **Toidutöötlemismasinad. Horisontaalse völliiga mikserid. Ohutus- ja hügieeninõuded**

This European Standard specifies requirements for the design, installation, operation and maintenance of batch production fixed or tilting horizontal bowl type mixers with one or two rotating shafts with or without movable blades. These mixers are used to mix, knead and homogenise food for animal or human consumption in powder, paste or liquid form. The mixers can be floor mounted or transportable (with or without castors). They are intended to be used when stationary.

Keel en

Asendatud EVS-EN 13389:2005+A1:2010

### **EVS-EN 13390:2002**

Identne EN 13390:2002

#### **Toidutöötlemismasinad. Piruka- ja tordimasinad. Ohutus- ja hügieeninõuded**

This standard specifies safety and hygienic design requirements for the manufacture of machines used for the production of pies, tarts, pasties, en croute products and other similar items where the pastry cases are formed by the closing under pressure of one or more forming heads.

Keel en

Asendatud EVS-EN 13390:2002+A1:2010

## **EVS-EN 13591:2005**

Identne EN 13591:2005

### **Toidutöötlemismasinad. Fikseeritud mehhanismiga praeahju täitmise seadmed. Ohutus- ja hügieeninõuded**

This European Standard applies to the design and manufacture of fixed deck oven loaders used in the food industry, bakeries, pastry-making, etc. These machines are used to place dough pieces on each deck of fixed deck ovens and to remove the baked products from each deck.

Keel en

Asendatud EVS-EN 13591:2005+A1:2010

## **EVS-EN ISO 659:2000**

Identne EN ISO 659:1998

ja identne ISO 659:1998

### **Õliseemned. Õlisisalduse määramine (võrdlusmeetod)**

See standard esitab võrdlusmeetodi, määramaks kindlaks tööstustoomena kasutatavate õliseemnete heksaanekstrakti (või petrooleetri ekstrakti), niinimetatud õlisisaldust.

Keel en

Asendatud EVS-EN ISO 659:2010

## **EVS-EN ISO 3093:2007**

Identne EN ISO 3093:2007

ja identne ISO 3093:2004

### **Nisu, rukis ja nimetatud teraviljast valmistatud jahu, durumnisu ja durumnisust valmistatud manna.**

#### **Langemisarvu määramine Hagberg-Perteni meetodil**

This International Standard describes the determination of the a-amylase activity of cereals by the Falling Number method according to Hagberg-Perten. This method is applicable to cereal grains, in particular to wheat and rye and their respective flours, durum wheat and its semolina. For the purposes of this International Standard the term "flour" includes semolina and ground grain (wholemeal), the particle sizes of which are defined. This method is not applicable for the determination of low levels of a-amylase activity, which can be carried out in accordance with ISO 7973.

Keel en

Asendatud EVS-EN ISO 3093:2010

## **EVS-EN ISO 3093:2007/AC:2009**

Identne EN ISO 3093:2007/AC:2009

ja identne ISO 3093:2004/Cor.1:2008

### **Nisu, rukis ja nimetatud teraviljast valmistatud jahu, durumnisu ja durumnisust valmistatud manna.**

#### **Langemisarvu määramine Hagberg-Perteni meetodil**

Keel en

Asendatud EVS-EN ISO 3093:2010

## **KAVANDITE ARVAMUSKÜSITLUS**

### **prEN ISO 3656**

Identne prEN ISO 3656:2010

ja identne ISO/DIS 3656:2010

Tähtaeg 29.04.2010

### **Animal and vegetable fats and oils - Determination of ultraviolet absorbance expressed as specific UV extinction**

This International Standard specifies a method for the determination of the absorbance at ultraviolet wavelengths of animal and vegetable fats and oils.

Keel en

Asendab EVS-EN ISO 3656:2002

## **71 KEEMILINE TEHNOLOOGIA**

### **UUED STANDARDID JA PUBLIKATSIOONID**

## **EVS-EN 46-1:2010**

Hind 178,00

Identne EN 46-1:2009

### **Wood preservatives - Determination of the preventive action against recently hatched larvae of *Hylotrupes bajulus* (Linnaeus) - Part 1: Application by surface treatment (laboratory method)**

This European Standard specifies a method for the determination of the preventive action of a wood preservative against recently hatched larvae of *Hylotrupes bajulus* (Linnaeus) when the preservative is applied as a surface treatment to wood. This method is applicable to: - water-insoluble chemicals which are being studied as active insecticides; - organic formulations, as supplied or as prepared in the laboratory by dilution of concentrates; - organic water-dispersible formulations as supplied or as prepared in the laboratory by dilution of concentrates; and - water-soluble materials, for example salts. The method is applicable whether or not the test specimens have been subjected to appropriate ageing procedures.

Keel en

Asendab EVS-EN 46-1:2005

## **EVS-EN 46-2:2010**

Hind 178,00

Identne EN 46-2:2009

### **Wood preservatives - Determination of the preventive action against recently hatched larvae of *Hylotrupes bajulus* (Linnaeus) - Part 2: Ovicidal effect (laboratory method)**

This European Standard specifies a method for the determination of the preventive action of a wood preservative against eggs of *Hylotrupes bajulus* (Linnaeus) when the preservative is applied as a surface treatment to wood. This method is applicable to: - water-insoluble chemicals which are being studied as active insecticides; - organic formulations, as supplied or as prepared in the laboratory by dilution of concentrates; - organic water-dispersible formulations as supplied or as prepared in the laboratory by dilution of concentrates; or - water-soluble materials, for example salts. The method is applicable whether or not the test specimens have been subjected to appropriate ageing procedures.

Keel en

Asendab EVS-EN 46-2:2006

## **EVS-EN 15797:2010**

Hind 114,00

Identne EN 15797:2010

### **Chemicals used for the treatment of swimming pool water - Iron based coagulants**

This European Standard is applicable to iron based coagulants (iron (III) chloride, iron (III) chloride sulfate and iron (III) sulfate liquid) used directly or for the production of formulations for treatment of water for swimming pools. It describes the characteristics of iron based coagulants and specifies the requirements and the corresponding test methods for iron based coagulants. It gives information on their use in swimming pool water treatment. General information on iron based coagulants is given in Annex A. It also determines the rules relating to safe handling and use (see Annex B).

Keel en

**EVS-EN 15798:2010**

Hind 114,00

Identne EN 15798:2010

**Products used for the treatment of swimming pool water - Filter media**

This European Standard is applicable to filter media (virgin granular activated carbon, silica sand and silica gravel, pumice, pyrolyzed coal material, anthracite and calcium carbonate) used for treatment of swimming pool water. It describes the characteristics of filter media and specifies the requirements and the corresponding test methods for filter media. It gives information on their use in swimming pool water treatment. This standard does not concern powdered diatomaceous earth, perlite, zeolite and similar materials used with filter cartridges.

Keel en

**EVS-EN ISO 10991:2010**

Hind 105,00

Identne EN ISO 10991:2009

ja identne ISO 10991:2009

**Micro process engineering - Vocabulary**

This International Standard gives terms and definitions for micro process engineering applied in chemistry, pharmacy, biotechnology and food technology.

Keel en

**EVS-EN ISO 13709:2010**

Hind 415,00

Identne EN ISO 13709:2009

ja identne ISO 13709:2009

**Centrifugal pumps for petroleum, petrochemical and natural gas industries**

This International Standard specifies requirements for centrifugal pumps, including pumps running in reverse as hydraulic power recovery turbines, for use in petroleum, petrochemical and gas industry process services. This International Standard is applicable to overhung pumps, between-bearings pumps and vertically suspended pumps (see Table 1). Clause 9 provides requirements applicable to specific types of pump. All other clauses of this International Standard are applicable to all pump types. Illustrations are provided of the various specific pump types and the designations assigned to each specific type. Relevant industry operating experience suggests pumps produced to this International Standard are cost effective when pumping liquids at conditions exceeding any one of the following: . discharge pressure (gauge) 1 900 kPa (275 psi; 19,0 bar) . suction pressure (gauge) 500 kPa (75 psi; 5,0 bar) . pumping temperature 150 °C (300 °F) . rotative speed 3 600 r/min . rated total head 120 m (400 ft) . impeller diameter, overhung pumps 330 mm (13 in)

Keel en

Asendab EVS-EN ISO 13709:2004

**ASENDATUD VÕI TÜHISTATUD STANDARDID****EVS 1991-4:2003**

ja identne EVS 1991-4:2003

**Ehituskonstruksioonide koormused. Osa 4: Puiste- ja vedelikmahutite koormused**

Standard EVS 1991-4 käsitleb järgmisi küsimusi: - 2. peatükk "Üldsätted ja eeskirjad" - 3. peatükk "Arvutusolukorrad" - 4. peatükk "Puistekoormus" - 5. peatükk "Vedelikukoormus" - Lisa A "Koormuskombinatsioonid" - Lisa B "Puistematerjali parameetrite katselise määramise meetodid" - Lisa C "Seismokoormused"

Keel et

Asendatud EVS-EN 1991-4:2006; EVS-EN 1991-4:2006+NA:2009; EVS-EN 1991-4/NA:2009

**EVS-EN 46-1:2005**

Identne EN 46-1:2005

**Wood preservatives - Determination of the preventive action against *Hylotrupes bajulus* (Linnaeus) - Part 1: Larvicidal effect (Laboratory method)**

This document specifies a method for the determination of the preventive action of a wood preservative against recently hatched larvae of *Hylotrupes bajulus* (Linnaeus) when the preservative is applied as a surface treatment to wood.

Keel en

Asendab EVS-EN 46:2000

Asendatud EVS-EN 46-1:2010

**EVS-EN 46-2:2006**

Identne EN 46-2:2006

**Wood preservatives - Determination of the preventive action against *Hylotrupes bajulus* (Linnaeus) - Part 2: Ovicidal effect (laboratory method)**

This part of EN 46 specifies a method for the determination of the preventive action of a wood preservative against eggs of *Hylotrupes bajulus* (Linnaeus) when the preservative is applied as a surface treatment to wood.

Keel en

Asendatud EVS-EN 46-2:2010

**EVS-EN 1744-1:2002**

Identne EN 1744-1:1998

**Täitematerjalide keemiliste omaduste katsetamine. Osa 1: Keemiline analüüs**

Käesolev standard määratleb täitematerjalide keemilise analüüsi meetodid. Standard määratleb põhimeetodid ja teatud juhtudel ka samaväärseid tulemusi andvad alternatiivmeetodid. Juhul kui kasutatakse teisi meetodeid, tuleb näidata, et need annavad siintoodud põhimeetodiga samaväärse tulemuse. Märkus. Erimeelsuste korral tuleks kasutada ainult põhimeetodit. Kui pole teisiti määratud, võib käesolevas standardis esitatud meetodeid kasutada tootmiskontrolli eesmärkidel ja kontroll- või tüübikatsetusel.

Keel et

Asendatud EVS-EN 1744-1:2010

#### **EVS-EN ISO 13709:2004**

Identne EN ISO 13709:2003

ja identne ISO 13709:2003)

#### **Centrifugal pumps for petroleum, petrochemical and natural gas industries**

This International Standard specifies requirements for centrifugal pumps, including pumps running in reverse as hydraulic power recovery turbines, for use in petroleum, petrochemical and gas industry process services.

Keel en

Asendatud EVS-EN ISO 13709:2010

#### **KAVANDITE ARVAMUSKÜSITLUS**

#### **prEN 152**

Identne prEN 152:2010

Tähtaeg 29.04.2010

#### **Wood preservatives - Determination of the protective effectiveness of a preservative treatment against blue stain in wood in service - Laboratory method**

This European Standard specifies a method which is only suitable for testing preparations and systems which are intended to prevent the occurrence of blue stain fungi in wood in service. It is not suitable for assessing the temporary preventive effectiveness of anti-stain preservatives on round wood or on freshly cut wood. The method is not intended for the determination of the fungicidal properties of the surface coating applied to the wood after the priming coat. This European Standard lays down a method for determining the effectiveness of a preparation applied by e.g. brushing, spraying, spraying tunnel, dipping or vacuum and pressure treatments resulting in an equivalent retention of product in preventing the development of blue stain fungi in wood in service. It is also applicable where a primer paint is used in conjunction with the preservative system 1).

Keel en

Asendab EVS-EN 152-1:2003; EVS-EN 152-2:2003

#### **prEN 16037**

Identne prEN 16037:2010

Tähtaeg 29.04.2010

#### **Chemicals used for treatment of water intended for human consumption - Sodium hydrogen sulfate**

This European Standard is applicable to sodium hydrogen sulfate used for treatment of water intended for human consumption. It describes the characteristics of sodium hydrogen sulfate and specifies the requirements and the corresponding test methods for sodium hydrogen sulfate. It gives information on its use in water treatment.

Keel en

#### **prEN 16038**

Identne prEN 16038:2010

Tähtaeg 29.04.2010

#### **Chemicals used for treatment of water for swimming pools - Sodium hydrogen sulfate**

This European Standard is applicable to sodium hydrogen sulfate used for treatment of swimming pool water. It describes the characteristics of sodium hydrogen sulfate and specifies the requirements and the corresponding test methods for sodium hydrogen sulfate. It gives information on its use in water treatment for swimming pools.

Keel en

#### **prEN ISO 24442**

Identne prEN ISO 24442:2009

ja identne ISO/DIS 24442:2009

Tähtaeg 29.04.2010

#### **Cosmetics - Sun protection test methods - In vivo determination of sunscreen UVA protection**

This International Standard describes an in vivo method assessment of the UVA Protection Factor (UVAPF) of topical sunscreen products. The present standard is applicable to cosmetics, drugs and other products intended to be topically applied in contact with human skin, including any component able to absorb, reflect or scatter UV rays. It provides a basis for the evaluation of sunscreen products for the protection of human skin against UVA radiation from solar or other light sources.

Keel en

## **75 NAFTA JA NAFTATEHNOLOOGIA**

### **UUED STANDARDID JA PUBLIKATSIOONID**

#### **EVS-EN 14078:2010**

Hind 124,00

Identne EN 14078:2009

#### **Liquid petroleum products - Determination of fatty methyl ester (FAME) content in middle distillates - Infrared spectrometry method**

This European Standard specifies a test method for the determination of Fatty Acid Methyl Ester (FAME) content in diesel fuel or domestic heating fuel by mid infrared spectrometry, which applies to FAME contents of the two measurement ranges as follows: - range A: for FAME contents ranging from approx. 0,05 % (V/V) to approx. 3 % (V/V); - range B: for FAME contents ranging from approx. 3 % (V/V) to approx. 20 % (V/V). Principally, higher FAME contents can also be analyzed if diluted; however, no precision data for results outside the specified range is available at present. This test method was verified to be applicable to samples which contain FAME conforming to EN 14214 or EN 14213. Reliable quantitative results are obtained only if the samples do not contain any significant amounts of other interfering components, especially esters and other carbonyl compounds which possess absorption bands in the spectral region used for quantification of FAME. If such interfering components are present, this test method is expected to produce higher values.

Keel en

Asendab EVS-EN 14078:2004

**EVS-EN 14918:2010**

Hind 271,00

Identne EN 14918:2009

**Tahked biokütused. Eripõlemissoojuse määramine**

This European Standard specifies a method for the determination of the gross calorific value of a solid biofuel at constant volume and at the reference temperature 25 °C in a bomb calorimeter calibrated by combustion of certified benzoic acid. The result obtained is the gross calorific value of the analysis sample at constant volume with all the water of the combustion products as liquid water. In practice, biofuels are burned at constant (atmospheric) pressure and the water is either not condensed (removed as vapour with the flue gases) or condensed. Under both conditions, the operative heat of combustion to be used is the net calorific value of the fuel at constant pressure. The net calorific value at constant volume may also be used; formulae are given for calculating both values. General principles and procedures for the calibrations and the biofuel experiments are presented in the main text, whereas those pertaining to the use of a particular type of calorimetric instrument are described in Annexes A to C. Annex D contains checklists for performing calibration and fuel experiments using specified types of calorimeters. Annex E gives examples to illustrate some of the calculations.

Keel en

Asendab CEN/TS 14918:2005

**EVS-EN 14961-1:2010**

Hind 256,00

Identne EN 14961-1:2010

**Tahked biokütused. Kütuste spetsifikatsioon ja klassid. Osa 1: Üldised nõuded**

Käesolev Euroopa Standard määratleb kütuse kvaliteedi klassid ja spetsifikatsiooni tahketele biokütustele. Vastavalt standardiseerimistegevusele antud mandaadile käsitleb CEN/TC 335 ainult neid biokütuseid, mis pärinevad järgmistest allikatest: a) põllumajanduse ja metsanduse tooted; b) põllumajanduse ja metsanduse taimsed jäätmel; c) toiduainetööstuse taimsed jäätmel; d) puidujäätmel, välja arvatud puidujäätmel, mis võivad puidu puidukaitsevahenditega töötlemise või katmise tulemusena sisaldada halogeenseid orgaanilisi komponente või raskeid metalle. Need lisandid leiduvad näiteks ehitus- ja lammutuspuidu jäätmel; e) taimse päritoluga kiudainete jäätmel tselluloositööstusest ja tselluloosist paberi tootmisest, kui need põletatakse selles tööstuses ja toodetud soojust kasutatakse; f) korgi jäätmel.

Keel en

Asendab CEN/TS 14961:2005

**EVS-EN 15103:2010**

Hind 114,00

Identne EN 15103:2009

**Tahked biokütused. Puistetiheduse määramine**

This European Standard describes a method of determining bulk density of solid biofuels by the use of a standard measuring container. This method is applicable to all solid biofuels with a nominal top size of maximum 100 mm. Bulk density is not an absolute value, therefore conditions for its determination have to be standardised in order to gain comparative measuring results.

Keel en

Asendab CEN/TS 15103:2005

**EVS-EN 15210-1:2010**

Hind 105,00

Identne EN 15210-1:2009

**Tahked biokütused. Graanulite ja brikettide mehaanilise vastupidavuse määramine. Osa 1: Graanulid**

This European Standard aims to define the requirements and method used for testing the mechanical durability of pellets. It is intended for persons and organisations that manufacture, plan, sell, erect or use machinery, equipment, tools and entire plants related to such pellets, and to all persons and organisations involved in producing, purchasing, selling and utilising pellets. The durability is the measure of the resistance of densified fuels towards shocks and/or abrasion as a consequence of handling and transportation processes.

Keel en

Asendab CEN/TS 15210-1:2005

**EVS-EN ISO 6326-1:2010**

Hind 92,00

Identne EN ISO 6326-1:2009

ja identne ISO 6326-1:2007

**Natural gas - Determination of sulfur compounds - Part 1: General introduction**

This part of ISO 6326 gives a brief description of standardized methods that can be used for the determination of sulfur compounds in natural gas. The principle of each method is described generally, the range of concentrations for which the method is suitable is indicated, and the analytical range and precision of each method is given. It should enable the user to select judiciously the proper method for the application being considered. Sulfur analysis is performed in order to determine a) total sulfur, b) sulfur contained in specific groups (e.g. thiol sulfur), c) individual sulfur compounds, and d) specific groups of sulfur compounds.

Keel en

**EVS-EN ISO 10416:2010**

Hind 336,00

Identne EN ISO 10416:2009

ja identne ISO 10416:2008

**Petroleum and natural gas industries - Drilling fluids - Laboratory testing**

This International Standard provides procedures for the laboratory testing of both drilling fluid materials and drilling fluid physical, chemical and performance properties. It is applicable to both water-based and oil-based drilling fluids, as well as the base or "make-up" fluid. It is not applicable as a detailed manual on drilling fluid control procedures. Recommendations regarding agitation and testing temperature are presented because the agitation history and temperature have a profound effect on drilling fluid properties.

Keel en

**EVS-EN ISO 10423:2010**

Hind 415,00

Identne EN ISO 10423:2009

ja identne ISO 10423:2009

**Petroleum and natural gas industries - Drilling and production equipment - Wellhead and christmas tree equipment**

This International Standard specifies requirements and gives recommendations for the performance, dimensional and functional interchangeability, design, materials, testing, inspection, welding, marking, handling, storing, shipment, purchasing, repair and remanufacture of wellhead and christmas tree equipment for use in the petroleum and natural gas industries. This International Standard does not apply to field use, field testing or field repair of wellhead and christmas tree equipment.

Keel en

Asendab EVS-EN ISO 10423:2004

**EVS-EN ISO 10426-1:2010**

Hind 229,00

Identne EN ISO 10426-1:2009

ja identne ISO 10426-1:2009

**Nafta ja maagaasitööstused. Tsemendid ja materjalid kaevude tsementeerimiseks. Osa 1: Spetsifikatsioon**

This part of ISO 10426 specifies requirements and gives recommendations for six classes of well cements, including their chemical and physical requirements and procedures for physical testing. This part of ISO 10426 is applicable to well cement classes A, B, C and D, which are the products obtained by grinding Portland cement clinker and, if needed, calcium sulfate as an interground additive. Processing additives can be used in the manufacture of cement of these classes. Suitable set-modifying agents can be interground or blended during manufacture of class D cement. This part of ISO 10426 is also applicable to well cement classes G and H, which are the products obtained by grinding clinker with no additives other than one or more forms of calcium sulfate, water or chemical additives as required for chromium (VI) reduction.

Keel en

Asendab EVS-EN ISO 10426-1:2006

**EVS-EN ISO 13624-1:2010**

Hind 336,00

Identne EN ISO 13624-1:2009

ja identne ISO 13624-1:2009

**Petroleum and natural gas industries - Drilling and production equipment - Part 1: Design and operation of marine drilling riser equipment**

This part of ISO 13624 pertains to the design, selection, operation and maintenance of marine riser systems for floating drilling operations. Its purpose is to serve as a reference for designers, for those who select system components, and for those who use and maintain this equipment. It relies on basic engineering principles and the accumulated experience of offshore operators, contractors, and manufacturers.

Keel en

**EVS-EN ISO 13628-5:2010**

Hind 377,00

Identne EN ISO 13628-5:2009

ja identne ISO 13628-5:2009

**Petroleum and natural gas industries - Design and operation of subsea production systems - Part 5: Subsea umbilicals**

This part of ISO 13628 specifies requirements and gives recommendations for the design, material selection, manufacture, design verification, testing, installation and operation of umbilicals and associated ancillary equipment for the petroleum and natural gas industries. Ancillary equipment does not include topside hardware. Topside hardware refers to any hardware that is not permanently attached to the umbilical, above the topside hang-off termination.

Keel en

**EVS-EN ISO 13709:2010**

Hind 415,00

Identne EN ISO 13709:2009

ja identne ISO 13709:2009

**Centrifugal pumps for petroleum, petrochemical and natural gas industries**

This International Standard specifies requirements for centrifugal pumps, including pumps running in reverse as hydraulic power recovery turbines, for use in petroleum, petrochemical and gas industry process services. This International Standard is applicable to overhung pumps, between-bearings pumps and vertically suspended pumps (see Table 1). Clause 9 provides requirements applicable to specific types of pump. All other clauses of this International Standard are applicable to all pump types. Illustrations are provided of the various specific pump types and the designations assigned to each specific type. Relevant industry operating experience suggests pumps produced to this International Standard are cost effective when pumping liquids at conditions exceeding any one of the following: . discharge pressure (gauge) 1 900 kPa (275 psi; 19,0 bar) . suction pressure (gauge) 500 kPa (75 psi; 5,0 bar) . pumping temperature 150 °C (300 °F) . rotative speed 3 600 r/min . rated total head 120 m (400 ft) . impeller diameter, overhung pumps 330 mm (13 in)

Keel en

Asendab EVS-EN ISO 13709:2004

**EVS-EN ISO 15136-1:2010**

Hind 336,00

Identne EN ISO 15136-1:2009

ja identne ISO 15136-1:2009

**Downhole equipment for petroleum and natural gas industries - Progressing cavity pump systems for artificial lift - Part 1: Pumps**

This part of ISO 15136 provides requirements for the design, design verification and validation, manufacturing and data control, performance ratings, functional evaluation, repair, handling and storage of progressing cavity pumps for use in the petroleum and natural gas industry. This part of ISO 15136 is applicable to those products meeting the definition of progressing cavity pumps (PCP) included herein. Connections to the drive string and tubulars are not covered by this part of ISO 15136.

Keel en

Asendab EVS-EN ISO 15136-1:2002



## **EVS-EN ISO 19901-6:2010**

Hind 377,00

Identne EN ISO 19901-6:2009

ja identne ISO 19901-6:2009

### **Petroleum and natural gas industries - Specific requirements for offshore structures - Part 6: Marine operations**

This part of ISO 19901 provides requirements and guidance for the planning and engineering of marine operations, encompassing the design and analysis of the components, systems, equipment and procedures required to perform marine operations, as well as the methods or procedures developed to carry them out safely.

Keel en

## **ASENDATUD VÕI TÜHISTATUD STANDARDID**

### **CEN/TS 14918:2005**

Identne CEN/TS 14918:2005

#### **Solid Biofuels - Method for the determination of calorific value**

This document specifies a method for the determination of the gross calorific value of a solid biofuel at constant volume and at the reference temperature 25 °C in a bomb calorimeter calibrated by combustion of certified benzoic acid.

Keel en

Asendatud EVS-EN 14918:2010

### **CEN/TS 14961:2005**

Identne CEN/TS 14961:2005

#### **Solid biofuels - Fuel specifications and classes**

This Technical Specification determines the fuel quality classes and specifications for solid biofuels. According to the mandate given for the standardisation work, the scope of the Technical Specification (TC335) only includes solid biofuels originating from the following sources:

- products from agriculture and forestry;
- vegetable waste from agriculture and forestry;
- vegetable waste from the food processing industry;
- wood waste, with the exception of wood waste which may contain halogenated organic compounds or heavy metals as a result of treatment with wood preservatives or coating, and which includes in particular such wood waste originated from construction and demolition waste;
- fibrous vegetable waste from virgin pulp production and from production of paper from pulp, if it is coincinerated at the place of production and heat generated is recovered;
- cork waste.

Keel en

Asendatud EVS-EN 14961-1:2010

### **CEN/TS 15103:2005**

Identne CEN/TS 15103:2005

#### **Solid biofuels - Methods for the determination of bulk density**

This Technical Specification describes a method of determining bulk density of solid biofuels by the use of a standard measuring container. This method is applicable to all solid biofuels with a nominal top size of maximum 100 mm.

Keel en

Asendatud EVS-EN 15103:2010

## **CEN/TS 15210-1:2005**

Identne CEN/TS 15210-1:2005

### **Solid biofuels - Methods for the determination of mechanical durability of pellets and briquettes - Part 1: Pellets**

This working document aims to define the requirements and method used for testing the mechanical durability of pellets.

Keel en

Asendatud EVS-EN 15210-1:2010

### **EVS-EN 14078:2004**

Identne EN 14078:2003

#### **Vedelad naftasaadused. Rasvhappe metüülestrite (FAME) määramine keskmistes destillaatides. Infrapunase spektroskoopia meetod**

This European Standard specifies a method of test for the determination of Fatty Acid Methyl Ester (FAME) content, added to diesel fuel (road, off road and marine) or heating fuel, by absorption spectroscopy in middle infrared.

Keel en

Asendatud EVS-EN 14078:2010

### **EVS-EN ISO 10423:2004**

Identne EN ISO 10423:2004

ja identne ISO 10423:2004

#### **Petroleum and natural gas industries - Drilling and production equipment - Wellhead and christmas tree equipment**

This International Standard specifies requirements and gives recommendations for the performance, dimensional and functional interchangeability, design, materials, testing, inspection, welding, marking, handling, storing, shipment, purchasing, repair and remanufacture of wellhead and christmas tree equipment for use in the petroleum and natural gas industries.

Keel en

Asendab EVS-EN ISO 10423:2002

Asendatud EVS-EN ISO 10423:2010

### **EVS-EN ISO 10426-1:2006**

Identne EN ISO 10426-1:2006

ja identne ISO 10426-1:2005

#### **Nafta ja maagaasitööstused. Tsemendid ja materjalid kaevude tsementeerimiseks. Osa 1: Spetsifikatsioon**

This part of ISO 10426 specifies requirements and gives recommendations for eight classes of well cements, including their chemical and physical requirements and procedures for physical testing. This part of ISO 10426 is applicable to well cement classes A, B, C, D, E and F, which are the products obtained by grinding Portland cement clinker and, if needed, calcium sulfate as an interground additive.

Keel en

Asendab EVS-EN ISO 10426-1:2000; EVS-EN ISO 10426-1:2000/A1:2003

Asendatud EVS-EN ISO 10426-1:2010

#### **EVS-EN ISO 13709:2004**

Identne EN ISO 13709:2003  
ja identne ISO 13709:2003)

#### **Centrifugal pumps for petroleum, petrochemical and natural gas industries**

This International Standard specifies requirements for centrifugal pumps, including pumps running in reverse as hydraulic power recovery turbines, for use in petroleum, petrochemical and gas industry process services.

Keel en

Asendatud EVS-EN ISO 13709:2010

#### **EVS-EN ISO 15136-1:2002**

Identne EN ISO 15136-1:2001  
ja identne ISO 15136-1:2001

#### **Downhole equipment for petroleum and natural gas industries - Progressing cavity pump systems for artificial lift - Part 1: Pumps**

This standard provides guidelines and requirements for subsurface progressing cavity pumps (PCP) used in the petroleum and natural gas industries for the production of single and multiphase fluids, based on the principle defined in 2.

Keel en

Asendatud EVS-EN ISO 15136-1:2010

#### **KAVANDITE ARVAMUSKÜSITLUS**

#### **prEN 15590**

Identne prEN 15590:2009  
Tähtaeg 29.04.2010

#### **Solid recovered fuels - Determination of potential rate of microbial self heating using the real dynamic respiration index**

This European Standard specifies a method to determine the current rate of potential microbial self-heating of a solid recovered fuel. The methods indirectly estimate the potential risk of microbial self-heating. The current rate of biodegradation can be expressed in milligrams O<sub>2</sub> kg dm<sup>-1</sup> h<sup>-1</sup>.

Keel en

Asendab CEN/TS 15590:2007

#### **prEN ISO 13503-1**

Identne prEN ISO 13503-1:2010  
ja identne ISO/DIS 13503-1:2010  
Tähtaeg 29.04.2010

#### **Petroleum and natural gas industries - Completion fluids and materials - Part 1: Measurement of viscous properties of completion fluids**

This part of ISO 13503 provides consistent methodology for determining the viscosity of completion fluids. In certain cases methodology is also provided to determine the rheological properties of a fluid.

Keel en

Asendab EVS-EN ISO 13503-1:2005

#### **prEN ISO 13706**

Identne prEN ISO 13706:2010  
ja identne ISO/DIS 13706:2010  
Tähtaeg 29.04.2010

#### **Petroleum, petrochemical and natural gas industries - Air-cooled heat exchangers**

This International Standard gives requirements and recommendations for the design, materials, fabrication, inspection, testing and preparation for shipment of air-cooled heat exchangers for use in the petroleum and natural gas industries. This International Standard is applicable to air-cooled heat exchangers with horizontal bundles, but the basic concepts may also be applied to other configurations.

Keel en

Asendab EVS-EN ISO 13706:2005

## **77 METALLURGIA**

### **UUED STANDARDID JA PUBLIKATSIOONID**

#### **EVS-EN 10028-1:2008+A1:2009/AC:2009**

Hind 0,00

Identne EN 10028-1:2007+A1:2009/AC:2009

#### **Tasapinnalised terastooted surve all kasutamiseks. Osa 1: Üldnõuded**

Keel en

#### **EVS-EN 13195:2010**

Hind 155,00

Identne EN 13195:2009

#### **Aluminium and aluminium alloys - Specifications for wrought and cast products for marine applications (shipbuilding, marine and offshore)**

This European Standard specifies properties and technical conditions for inspection and delivery of wrought and cast aluminium and aluminium alloy products recommended for marine applications, including shipbuilding and offshore applications. Additional information is given about high magnesium alloys, with special regard to their sensitivity to intergranular and exfoliation corrosion. This European Standard is intended to be used in conjunction with relevant European, national or international regulations as applicable, to which it comes in support. For products intended to be used in marine constructions to be classified by a Classification Society, the relevant requirements of this Society apply.

Keel en

#### **EVS-EN ISO 6892-1:2010**

Hind 271,00

Identne EN ISO 6892-1:2009

ja identne ISO 6892-1:2009

#### **Metallic materials - Tensile testing - Part 1: Method of test at room temperature**

This part of ISO 6892 specifies the method for tensile testing of metallic materials and defines the mechanical properties which can be determined at room temperature.

Keel en

Asendab EVS-EN 10002-1:2001

## **KAVANDITE ARVAMUSKÜSITLUS**

### **prEN 10029**

Identne prEN 10029:2010

Tähtaeg 29.04.2010

#### **Hot-rolled steel plates 3 mm thick or above - Tolerances on dimensions and shape**

This European Standard specifies tolerances on dimensions and shape for hot-rolled non-alloy and alloy steel plates with the following characteristics: nominal thickness:  $3 \text{ mm} \leq t \leq 400 \text{ mm}$ ; nominal width:  $w \geq 600 \text{ mm}$ ; Tolerances for products of width  $w < 600 \text{ mm}$  cut or slit from plate should be agreed between manufacturer and purchaser at the time of enquiry and order. This European Standard applies, but is not limited, to steel grades defined in EN 10025-2 to EN 10025-6, EN 10028-2 to EN 10028-6, EN 10083-2 and EN 10083-3, EN 10084, EN 10085, EN 10149-2 and EN 10149-3, EN 10207 and EN 10225 (see also annex A). It does not apply to stainless steels. This European Standard does not include round plates, custom-made plates, chequer or bulb plate for flooring and wide flats.

Keel en

Asendab EVS-EN 10029:2000

### **prEN 10051**

Identne prEN 10051:2010

Tähtaeg 29.04.2010

#### **Continuously hot-rolled strip and plate/sheet cut from wide strip of non-alloy and alloy steels - Tolerances on dimensions and shape**

This European Standard specifies tolerances on dimensions and shape for continuously hot-rolled uncoated plate/sheet and strip with a maximum width of 2 200 mm of non-alloy and alloy steels in accordance with Table 1 (see also annex A). This European Standard also applies to hot-rolled strip for cold rolling.

Keel en

Asendab EVS-EN 10051:2000

### **prEN 16031**

Identne prEN 16031:2009

Tähtaeg 29.04.2010

#### **Adjustable telescopic aluminium props - Product specifications, design and assessment by calculation and tests**

This European Standard specifies materials, design requirements, designation, corrosion protection alternatives, together with assessment methods using both calculations and testing for adjustable telescopic aluminium props which are intended for use on construction sites. Inner and outer tube of props are made in aluminium or aluminium and steel. It specifies eleven classes of nominal specified values for strengths for adjustable telescopic aluminium props each having a series of maximum extended lengths.

Keel en

### **prEN ISO 5755**

Identne prEN ISO 5755:2010

ja identne ISO/DIS 5755:2010

Tähtaeg 29.04.2010

#### **Sintered metal materials - Specifications**

This International Standard specifies the requirements for the chemical composition and the mechanical and physical properties of sintered metal materials used for bearings and structural parts. When selecting powder metallurgical materials, it should be taken into account that the properties depend not only on the chemical composition and density, but also on the production methods. The properties of sintered materials giving satisfactory service in particular applications may not necessarily be the same as those of wrought or cast materials that might otherwise be used. Therefore, liaison with prospective suppliers is recommended.

Keel en

## **79 PUIDUTEHNOLOOGIA**

### **UUED STANDARDID JA PUBLIKATSIOONID**

#### **EVS-EN 622-4:2010**

Hind 105,00

Identne EN 622-4:2009

#### **Puitkiudplaadid. Spetsifikaadid. Osa 4: Nõuded pehmetele plaatidele**

This European Standard specifies the requirements for softboards as defined in EN 316, with a density  $\geq 230 \text{ kg/m}^3$  to  $400 \text{ kg/m}^3$ . The values listed in this European Standard relate to product properties but they are not characteristic values to be used in design calculations.

Keel en

Asendab EVS-EN 622-4:2001

#### **EVS-EN 622-5:2010**

Hind 135,00

Identne EN 622-5:2009

#### **Puitkiudplaadid. Spetsifikaadid. Osa 5: Nõuded kuivmeetodi plaatidele (MDF)**

This European Standard specifies the requirements for dry process boards (MDF) as defined in EN 316. The values listed in this European Standard relate to product properties but they are not characteristic values to be used in design calculations).

Keel en

Asendab EVS-EN 622-5:2006

#### **EVS-EN 848-1:2007+A1:2010**

Hind 315,00

Identne EN 848-1:2007+A1:2009

#### **Puidutötmismasinate ohutus. Ühepoolsed pöörleva löiketeraga puidutötluspingid. Osa 1: Ühespindlilised vertikaalsed puidutötluspingid**

This document specifies all significant hazards, hazardous situations and events as listed in Clause 4 which are relevant to stationary and displaceable hand fed single spindle vertical moulding machines (with or without demountable power feed unit), herein after referred to as "machines", designed to cut solid wood, chip board, fibreboard, plywood and also these materials if they are covered with plastic laminate or edgings when they are used as intended and under the conditions foreseen by the manufacturer.

Keel en

Asendab EVS-EN 848-1:2007

**EVS-EN 848-2:2007+A1:2010**

Hind 256,00

Identne EN 848-2:2007+A1:2009

**Puidutöötlemismasinate ohutus. Ühepoolised pöörleva lõiketeraga puidutöötluspingid. Osa 2: Ühespindlilised käsitsi- ja kombineeritud etteandega vertikaalfreespingid**

This document specifies all significant hazards, hazardous situations and events as listed in Clause 4 which are relevant to stationary and displaceable single spindle hand fed/integrated fed routing machines with fixed head but allowing only movement along the axis of the tool during machining hereinafter referred to as "machines" designed to cut solid wood, chip board, fibreboard, plywood and also these materials if they are covered with plastic laminate, edgings or veneer when they are used as intended and under the conditions foreseen by the manufacturer.

Keel en

Asendab EVS-EN 848-2:2007

**EVS-EN 859:2007+A1:2010**

Hind 271,00

Identne EN 859:2007+A1:2009

**Puidutöötlemismasinate ohutus. Käsitsietteandega rihthöövelpingid**

This document specifies all significant hazards, hazardous situation and events as listed in Clause 4 relevant to stationary and displaceable hand fed surface planing machines fitted or not with demountable power feed unit hereinafter referred to as "machines" designed to cut solid wood, chipboard, fibreboard and plywood when they are used as intended and under the conditions foreseen by the manufacturer.

Keel en

Asendab EVS-EN 859:2007

**ASENDATUD VÕI TÜHISTATUD STANDARDID****EVS-EN 622-4:2001**

Identne EN 622-4:1997

**Puitkiudplaadid. Spetsifikaadid. Osa 4: Nõuded pehmetele plaatidele**

This European Standard specifies the requirements for softboards as defined in EN 316, with a density of more than 230 kg/m<sup>3</sup>.

Keel en

Asendatud EVS-EN 622-4:2010

**EVS-EN 622-5:2006**

Identne EN 622-5:2006

**Puitkiudplaadid. Spetsifikaadid. Osa 5: Nõuded kuivmeetodi plaatidele (MDF)**

This European Standard specifies the requirements for dry process boards (MDF) as defined in EN 316. The values listed in this European Standard relate to product properties but they are not characteristic values to be used in design calculations<sup>1</sup>).

Keel en

Asendab EVS-EN 622-5:2001

Asendatud EVS-EN 622-5:2010

**EVS-EN 848-1:2007**

Identne EN 848-1:2007

**Puidutöötlemismasinate ohutus. Ühepoolised pöörleva lõiketeraga puidutöötluspingid. Osa 1: Ühespindlilised vertikaalsed puidutöötluspingid**

This document deals with the significant hazards, hazardous situations and events as listed in Clause 4 which are relevant to stationary and displaceable hand fed single spindle vertical moulding machines (with or without demountable power feed unit), herein after referred to as "machines", designed to cut solid wood, chip board, fibreboard, plywood and also these materials if they are covered with plastic laminate or edgings when they are used as intended and under the conditions foreseen by the manufacturer.

Keel en

Asendab EVS-EN 848-1:1999/A1:2000; EVS-EN 848-1:1999

Asendatud EVS-EN 848-1:2007+A1:2010

**EVS-EN 848-2:2007**

Identne EN 848-2:2007

**Puidutöötlemismasinate ohutus. Ühepoolised pöörleva lõiketeraga puidutöötluspingid. Osa 2: Ühespindlilised käsitsi- ja kombineeritud etteandega vertikaalfreespingid**

This document deals with the significant hazards, hazardous situations and events as listed in Clause 4 which are relevant to stationary and displaceable single spindle hand fed/integrated fed routing machines with fixed head but allowing only movement along the axis of the tool during machining hereinafter referred to as "machines" designed to cut solid wood, chip board, fibreboard, plywood and also these materials if they are covered with plastic laminate, edgings or veneer when they are used as intended and under the conditions foreseen by the manufacturer.

Keel en

Asendab EVS-EN 848-2:1999

Asendatud EVS-EN 848-2:2007+A1:2010

**EVS-EN 859:2007**

Identne EN 859:2007

**Puidutöötlemismasinate ohutus. Käsitsietteandega rihthöövelpingid**

See Euroopa standard määrab kindlaks nõuded ja/või meetmed ohu kõrvaldamiseks ja riski piiramiseks käsitsietteandega rihthöövelpinkidel (edaspidi nimetatud "masinad"), mis on konstrueeritud täispuidu, puitlaastplaatide, puitkiudplaatide ja vineeri lõikamiseks ja plastlaminaadi või servaplastiga kaetud samade materjalide lõiketöötuseks. See Euroopa standard hõlmab kõiki nende masinatega seotud ohutegureid.

Keel en

Asendab EVS-EN 859:1999

Asendatud EVS-EN 859:2007+A1:2010

## KAVANDITE ARVAMUSKÜSITLUS

### **prEN 14272**

Identne prEN 14272:2009

Tähtaeg 29.04.2010

#### **Plywood - Calculation method for some mechanical properties**

This European Standard gives, for plywood panels of any composition, symmetrical or not, a calculation method to derive some mechanical properties (strength and stiffness in bending, tension, compression, panel and planar shear) as well as density from the wood compounding the layers.

Keel en

## **81 KLAASI- JA KERAAMIKA-TÖÖSTUS**

### UUED STANDARDID JA PUBLIKATSIOONID

#### **EVS-EN 13035-4:2003+A1:2010**

Hind 166,00

Identne EN 13035-4:2003+A1:2009

#### **Masinad ja jaamad lehtklaasi valmistamiseks ja töötlemiseks. Ohutusnõuded. Osa 4: Kallutuslauad**

This standard contains the requirements for safety for the design and installation of tilting tables, where the flat glass is brought from the horizontal almost to the vertical position or vice versa by lying on or supported at the lower edge leaning against a supporting surface

Keel en

Asendab EVS-EN 13035-4:2003

#### **EVS-EN 13035-5:2006+A1:2010**

Hind 178,00

Identne EN 13035-5:2006+A1:2009

#### **Masinad ja jaamad lehtklaasi valmistamiseks ja töötlemiseks. Ohutusnõuded. Osa 5: Virnastamismasinad ja seadmed**

This European Standard applies for machines and installations for stacking and de-stacking that are specifically designed for building-up or taking down upright stacks of flat glass sheet by sheet including unloading and loading of single sheets of flat glass from or onto machines or transport devices (conveyors).

Keel en

Asendab EVS-EN 13035-5:2006

#### **EVS-EN 13035-6:2006+A1:2010**

Hind 145,00

Identne EN 13035-6:2006+A1:2009

#### **Masinad ja jaamad lehtklaasi valmistamiseks ja töötlemiseks. Ohutusnõuded. Osa 6: Praagi väljalõikamismasinad**

This European Standard applies for machines for break-out of flat glass including the following steps: transport and positioning, break-out, transport of the cut sizes to the unloading position, leading away of waste flat glass.

Keel en

Asendab EVS-EN 13035-6:2006

## ASENDATUD VÕI TÜHISTATUD STANDARDID

#### **EVS-EN 13035-4:2003**

Identne EN 13035-4:2003

#### **Masinad ja jaamad lehtklaasi valmistamiseks ja töötlemiseks. Ohutusnõuded. Osa 4: Kallutuslauad**

This standard contains the requirements for safety for the design and installation of tilting tables, where the flat glass is brought from the horizontal almost to the vertical position or vice versa by lying on or supported at the lower edge leaning against a supporting surface

Keel en

Asendatud EVS-EN 13035-4:2003+A1:2010

#### **EVS-EN 13035-5:2006**

Identne EN 13035-5:2006

#### **Masinad ja jaamad lehtklaasi valmistamiseks ja töötlemiseks. Ohutusnõuded. Osa 5:**

#### **Virnastamismasinad ja seadmed**

This European Standard applies for machines and installations for stacking and de-stacking that are specifically designed for building-up or taking down upright stacks of flat glass sheet by sheet including unloading and loading of single sheets of flat glass from or onto machines or transport devices (conveyors).

Keel en

Asendatud EVS-EN 13035-5:2006+A1:2010

#### **EVS-EN 13035-6:2006**

Identne EN 13035-6:2006

#### **Masinad ja jaamad lehtklaasi valmistamiseks ja töötlemiseks. Ohutusnõuded. Osa 6: Praagi väljalõikamismasinad**

This European Standard applies for machines for break-out of flat glass including the following steps: transport and positioning, break-out, transport of the cut sizes to the unloading position, leading away of waste flat glass.

Keel en

Asendatud EVS-EN 13035-6:2006+A1:2010

## KAVANDITE ARVAMUSKÜSITLUS

### **FprEN 15365**

Identne FprEN 15365:2009

Tähtaeg 29.04.2010

#### **Advanced technical ceramics - Mechanical properties of ceramic fibres at high temperature in a non-reactive environment - Determination of creep behaviour by the cold end method**

This European standard specifies the conditions for the determination of the tensile creep deformation and failure behaviour of single filaments of ceramic fibres at high temperature and under test conditions that prevent changes to the material as a result of chemical reaction with the test environment. This European standard applies to continuous ceramic filaments taken from tows, yarns, braids and knittings, which have strains to fracture less than or equal to 5 %.

Keel en

Asendab CEN/TS 15365:2006

## 83 KUMMI- JA PLASTITÖÖSTUS

### UUED STANDARDID JA PUBLIKATSIOONID

#### **EVS-EN 13415:2010**

Hind 105,00

Identne EN 13415:2010

#### **Test of adhesives for floor covering - Determination of the electrical resistance of adhesive films and composites**

This European Standard specifies a test method to measure the electrical resistance as a material physical parameter of an adhesive film and composites of floor covering material and adhesive film. The electrical resistance is reciprocal to the electrical conductivity. This laboratory method does not take account of all influences which may occur in practice. In contrast to EN 1081, which applies to the determination of the electrical resistance of resilient floor coverings R1, R2 and R3 (see Clause 3), this method applies to the determination of the electrical resistance of adhesive films on glass and of composites of floor coverings, adhesively bonded to a fibre cement substrate R4 and R5 (see Clause 3).

Keel en

Asendab EVS-EN 13415:2002

#### **EVS-EN ISO 527-5:2010**

Hind 124,00

Identne EN ISO 527-5:2009

ja identne ISO 527-5:2009

#### **Plastid. Tõmbeomaduste määramine. Osa 5: Orienteerimata kiudarmatuuriga plastkomposiitide katsetingimused**

1.1 This part of ISO 527 specifies the test conditions for the determination of the tensile properties of unidirectional fibre-reinforced plastic composites, based upon the general principles given in Part 1. 1.2 See ISO 527-1:1993, Subclause 1.2. 1.3 The test method is suitable for all polymer matrix systems reinforced with unidirectional fibres and which meet the requirements, including failure mode, set out in this part of ISO 527. The method is suitable for composites with either thermoplastic or thermosetting matrices, including preimpregnated materials (prepregs). The reinforcements covered include carbon fibres, glass fibres, aramid fibres and other similar fibres. The reinforcement geometries covered include unidirectional (i.e. completely aligned) fibres and rovings and unidirectional fabrics and tapes. The method is not normally suitable for multidirectional materials composed of several unidirectional layers at different angles (see ISO 527-4). 1.4 The method is performed using one of two different types of test specimen, depending on the direction of the applied stress relative to the fibre direction (see Clause 6). 1.5 See ISO 527-1:1993, Subclause 1.5.

Keel en

Asendab EVS-EN ISO 527-5:2000

#### **EVS-EN ISO 844:2010**

Hind 105,00

Identne EN ISO 844:2009

ja identne ISO 844:2007

#### **Rigid cellular plastics - Determination of compression properties**

This International Standard specifies a method of determining a) the compressive strength and corresponding relative deformation or b) the compressive stress at 10 % relative deformation and c) when desired, the compressive modulus of rigid cellular plastics.

Keel en

#### **EVS-EN ISO 845:2010**

Hind 80,00

Identne EN ISO 845:2009

ja identne ISO 845:2006

#### **Poorplastid ja -kummid. Näivtiheduse määramine**

This International Standard specifies a method for determining the apparent overall density and the apparent core density of cellular plastics and rubbers. If the material to be tested includes skins formed during a moulding/extrusion, the apparent overall density or the apparent core density, or both, can be determined. If the material does not have skins formed during moulding, the term "overall density" is not applicable. For shaped materials, a different method such as buoyancy method may be used.

Keel en

Asendab EVS-EN ISO 845:2000

### ASENDATUD VÕI TÜHISTATUD STANDARDID

#### **EVS-EN 13415:2002**

Identne EN 13415:2002

#### **Adhesives - Testing of adhesives for floor coverings - Determination of the electrical resistance of adhesive films**

This European Standard specifies a test method to measure the electrical resistance of an adhesive film without contact to floor coverings. The electrical resistance is reciprocal to the electrical conductivity.

Keel en

Asendatud EVS-EN 13415:2010

#### **EVS-EN ISO 527-5:2000**

Identne EN ISO 527-5:1997

ja identne ISO 527-5:1997

#### **Plastid. Tõmbeomaduste määramine. Osa 5: Orienteerimata kiudarmatuuriga plastkomposiitide katsetingimused**

Standardi käesolev osa määrab kindlaks "orienteerimata kiudsarrusega plastkomposiitide tõmbeomaduste testimise meetodid", mis põhinevad üldpõhimõtetel, mis on esitatud käesoleva standardi 1. osas.

Keel en

Asendatud EVS-EN ISO 527-5:2010

## **EVS-EN ISO 845:2000**

Identne EN ISO 845:1995

ja identne ISO 845:1988

### **Poorplastid ja -kummid. Näivtiheduse (mahutiheduse) määramine**

This International standard specifies a method for determining the apparent overall density and the apparent core density of rigid cellular plastics, and the bulk density of semi-rigid and flexible cellular plastics and rubbers. If the material to be tested includes skins formed during moulding, the apparent overall density or the apparent core density, or both, may be determined. If the material does not have skins formed during moulding, the term overall density is not applicable.

Keel en

Asendatud EVS-EN ISO 845:2010

## **KAVANDITE ARVAMUSKÜSITLUS**

### **prEN ISO 4611**

Identne prEN ISO 4611:2010

ja identne ISO/DIS 4611:2010

Tähtaeg 29.04.2010

### **Plastics - Determination of the effects of exposure to damp heat, water spray and salt mist**

1.1 This International Standard specifies the exposure conditions of plastics to - damp heat, - water spray, - salt mist, and the methods for the evaluation of the change of some significant characteristics after given exposure stages. 1.2 This International Standard is, in general, suitable for all plastics in the form of standard test specimens, and finished articles or parts thereof. 1.3 This International Standard considers separately methods for the determination of - change in mass, - change in dimensions and appearance, - change in physical properties.

Keel en

Asendab prEN ISO 4611

## **85 PABERITEHNOLOOGIA**

### **KAVANDITE ARVAMUSKÜSITLUS**

#### **EN 1010-2:2006/FprA1**

Identne EN 1010-2:2006/FprA1:2009

Tähtaeg 29.04.2010

#### **Masinate ohutus. Ohutusnõuded paberivalmistamis- ja viimistlusmasinate kavandamisele ja valmistamisele. Osa 2: Trüki- ja lakkimismasinad, kaasa arvatud trükieelsed pressimisseadmed**

This document applies to:- Pre-press machinery (machinery and devices for the production of master copies and printing forms):- exposure equipment for the production of films and printing forms;- equipment for developing films and printing forms;- washing machines for printing forms;- machines for bending printing forms;- punching machines for film and printing forms;- cutting machines for film and printing forms;- machines for the production of gravure printing forms;- scanners.

Keel en

## **87 VÄRVIDE JA VÄRVAINETE TÖÖSTUS**

### **UUED STANDARDID JA PUBLIKATSIOONID**

#### **EVS-EN ISO 28199-1:2010**

Hind 166,00

Identne EN ISO 28199-1:2009

ja identne ISO 28199-1:2009

#### **Paints and varnishes - Evaluation of properties of coating systems related to the application process - Part 1: Relevant vocabulary and preparation of test panels**

This part of ISO 28199 defines terms relating to the evaluation of coating materials in research, development and production with regard to their suitability and safety for industrial processes and error analysis. This part of ISO 28199 specifies methods for the preparation of test panels and the subsequent measurement of film thickness, colour and surface texture.

Keel en

#### **EVS-EN ISO 28199-2:2010**

Hind 114,00

Identne EN ISO 28199-2:2009

ja identne ISO 28199-2:2009

#### **Paints and varnishes - Evaluation of properties of coating systems related to the application process - Part 2: Colour stability, process hiding power, re-dissolving, overspray absorption, wetting, surface texture and mottling**

This part of ISO 28199 specifies methods for the determination of colour stability, process hiding power, re-dissolving, overspray absorption, wetting, surface texture and mottling of coating materials applied to a test panel under defined conditions.

Keel en

#### **EVS-EN ISO 28199-3:2010**

Hind 114,00

Identne EN ISO 28199-3:2009

ja identne ISO 28199-3:2009

#### **Paints and varnishes - Evaluation of properties of coating systems related to the application process - Part 3: Visual assessment of sagging, formation of bubbles, pinholing and hiding power**

This part of ISO 28199 specifies visual methods for the assessment of tendency toward sagging, formation of bubbles, pinholing and hiding power of coating materials applied to a test panel under defined conditions.

Keel en

## KAVANDITE ARVAMUSKÜSITLUS

### **prEN ISO 29601**

Identne prEN ISO 29601:2010

ja identne ISO/DIS 29601:2010

Tähtaeg 29.04.2010

### **Paints and varnishes - Corrosion protection by protective paint systems - Test methods for the assessment of porosity in a dry film and expression of the results**

This document specifies procedures for detecting the presence of porosity in a protective paint system of any film thickness on a steel or other metallic substrate. The procedures given in this document are based on test methods for two different types of test equipment according to the dry film thickness. These procedures are only applicable for testing electrically non-conductive parts of a paint system. This document specifies the use of appropriate equipment, defines inspection procedures and provides guidance for the expression of the results. The specified test methods are mainly used for new coatings, but can also be used for coatings which have been in service. Attention must be paid to the possibility that the coating might be penetrated by substances in contact with the coating during service.

Keel en

## **91 EHTUSMATERJALID JA EHTUS**

### UUED STANDARDID JA PUBLIKATSIOONID

#### **CEN/TS 12390-11:2010**

Hind 166,00

Identne CEN/TS 12390-11:2010

#### **Testing hardened concrete - Part 11: Determination of the chloride resistance of concrete, unidirectional diffusion**

This Technical Specification is a method for determining the unidirectional non-steady state chloride penetration parameters of conditioned specimens of hardened concrete. The test method enables the determination of the chloride penetration at a specified age, e.g. for ranking of concrete quality by comparative testing. Since resistance to chloride penetration depends on the ageing, including the effects of continual hydration, then the ranking may also change with age.

Keel en

#### **CEN/TR 15985:2010**

Hind 105,00

Identne CEN/TR 15985:2010

#### **Thermal insulating products - Factory made products of expanded polystyrene (EPS) - Voluntary certification of the raw material**

It is essential that EPS products with a reaction to fire performance better than Euroclass F be manufactured from raw materials with a chemical composition, which is under the control of the raw material producer. This Technical Report specifies the conditions allowing reduction of the FPC frequency for testing the reaction to fire of specimens made from flame retardant EPS raw material. The preconditions are that products are manufactured solely from a specified, certified raw material, within defined density limits, and produced in the way specified by the raw material supplier. The frequency of testing the final product can be reduced in accordance with EN 13163:2008, Annex B, Table B.2 footnote to table h. It is essential that the reaction to fire performance of the raw material be labelled according to 9.2 in the certificate from an approved body (see EN 13172:2008, 5.3.3 and Annex A). The certification of the raw material relates only to products for which the reaction to fire Euroclass E according to EN 13501-1 is being claimed. The manufacturer of the EPS boards / products continues to be responsible for the FPC of the EPS boards / products. This Technical Report is in accordance with the general rules of EN 13172.

Keel en

#### **EVS 908-1:2010**

Hind 219,00

#### **Hoone piirdetarindi soojusjuhtivuse arvutusjuhend. Osa 1: Välisõhuga kontaktis olev läbipaistmatu piire**

Arvutusjuhend käsitleb materjalide soojuseri juhtivuste ja välisõhuga kontaktis olevate läbipaistmatute piirdetarindite soojusjuhtivuse arvutust. Arvutusjuhise käsitlusalasse ei kuulu ukсед, aknad ja muud klaaspinnad või tarindid, mille kaudu toimub soojusülekanne pinnasesse ning tarindid, mis on projekteeritud õhku läbilaskvaks.

Keel et

#### **EVS-EN 81-1:1998+A3:2010**

Hind 415,00

Identne EN 81-1:1998+A3:2009

#### **Safety rules for the construction and installation of lifts - Part 1: Electric lifts**

This standard specifies the safety rules for the construction and installation of permanently installed new electric lifts, with traction or positive drive, serving defined landing levels, having a car designed for the transportation of persons or persons and goods, suspended by ropes or chains and moving between guide rails inclined not more than 15° to the vertical.

Keel en

Asendab EVS-EN 81-1:1999; EVS-EN 81-1:1999/A2:2004; EVS-EN 81-1:1999/A1:2006



**EVS-EN 81-2:1998+A3:2010**

Hind 415,00

Identne EN 81-2:1998+A3:2009

**Liftide valmistamise ja paigaldamise ohutuseeskirjad. Osa 2: Hüdraulilised liftid**

1.1 This standard specifies the safety rules for the construction and installation of permanently installed new hydraulic lifts serving defined landing levels, having a car designed for the transportation of persons or persons and goods, suspended by jacks, ropes or chains and moving between guide rails inclined not more than 15° to the vertical. 1.2 In addition to the requirements of this standard supplementary requirements shall be considered in special cases (potentially explosive atmosphere, extreme climate conditions, seismic conditions, transporting dangerous goods, etc.).

Keel en

Asendab EVS-EN 81-2:1999/A1:2006; EVS-EN 81-2:1999; EVS-EN 81-2:1999/A2:2004

**EVS-EN 1744-1:2010**

Hind 271,00

Identne EN 1744-1:2009

**Täitematerjalide keemiliste omaduste katsetamine. Osa 1: Keemiline analüüs**

This standard specifies procedures for the chemical analysis of aggregates. It specifies the reference procedures and, in certain cases, an alternative method which can be considered as giving equivalent results. Unless otherwise stated, the test methods specified in this standard may be used for factory production control, for audit tests or for type tests. This standard describes the reference methods used for type testing and in cases of dispute (and alternatives methods) for chemical analyses of aggregates. For the purpose of type testing and in cases of dispute only the reference method should be used. For other purposes, in particular factory production control, other methods may be used provided that an appropriate working relationship with the reference method has been established.

Keel en

Asendab EVS-EN 1744-1:2002

**EVS-EN 1847:2010**

Hind 135,00

Identne EN 1847:2009

**Flexible sheets for waterproofing - Plastic and rubber sheets for roof waterproofing - Methods for exposure to liquid chemicals, including water**

This European Standard specifies a method of exposing test specimens of plastic and rubber sheets for roofing, free from all external restraint, to liquid chemicals (including water), and methods for determining the changes in properties resulting from such exposure.

Keel en

Asendab EVS-EN 1847:2001

**EVS-EN 1849-2:2010**

Hind 105,00

Identne EN 1849-2:2009

**Flexible sheets for waterproofing - Determination of thickness and mass per unit area - Part 2: Plastic and rubber sheets**

This European Standard specifies methods for the determination of the thickness and mass per unit area of plastic and rubber sheets for roof waterproofing.

Keel en

Asendab EVS-EN 1849-2:2002

**EVS-EN 1991-1-4:2005/AC:2010**

Hind 0,00

Identne EN 1991-1-4:2005/AC:2010

**Eurokoodeks 1: Ehituskonstruksioonide koormused. Osa 1-4: Tuulekoormus**

Keel en

Asendab EVS-EN 1991-1-4:2005/AC:2009

**EVS-EN 1993-1-6/NA:2010**

Hind 105,00

**Eurokoodeks 3: Teraskonstruksioonide projekteerimine. Osa 1-6: Koorikkonstruksioonide tugevus ja stabiilsus. Eesti standardi rahvuslik lisa**

Standard EN 1993-1-6 annab põhireeglid pöördkoorikukujuliste terasest plaatkonstruktsioonide projekteerimiseks.

Keel et

**EVS-EN 1993-1-6:2007+NA:2010**

Hind 336,00

Identne EN 1993-1-6:2007+AC:2009

ja identne EVS-EN 1993-1-6/NA:2010

**Eurokoodeks 3: Teraskonstruksioonide projekteerimine. Osa 1-6: Koorikkonstruksioonide tugevus ja stabiilsus**

Standard EN 1993-1-6 annab põhireeglid pöördkoorikukujuliste terasest plaatkonstruktsioonide projekteerimiseks.

Keel et

**EVS-EN 1993-1-11/NA:2010**

Hind 105,00

**Eurokoodeks 3: Teraskonstruksioonide projekteerimine. Osa 1-11: Tõmbele töötavate elementidega konstruktsioonide projekteerimine. Eesti standardi rahvuslik lisa**

Standardis EN 1993-1-11 antakse projekteerimisjuhiseid terasest reguleeritavate ja vahetatavate tõmbelementidega konstruktsioonidele.

Keel et

**EVS-EN 1993-1-11:2006+NA:2010**

Hind 243,00

Identne EN 1993-1-11:2006+AC:2009

ja identne EVS-EN 1993-1-11/NA:2010

**Eurokoodeks 3: Teraskonstruksioonide projekteerimine. Osa 1-11: Tõmbele töötavate elementidega konstruktsioonide projekteerimine**

Standardis EN 1993-1-11 antakse projekteerimisjuhiseid terasest reguleeritavate ja vahetatavate tõmbelementidega konstruktsioonidele.

Keel et

**EVS-EN 1993-1-12/NA:2010**

Hind 80,00

**Eurokoodeks 3: Teraskonstruksioonide projekteerimine. Osa 1-12: Täiendavad reeglid standardi EN 1993 laiendamiseks kuni teraseni S 700. Eesti standardi rahvuslik lisa**

Selles standardis EN 1993-1-12 antakse reeglid, mida võib kasutada koos järgmiste osadega: EN1993-1-1; EN 1993-1-2; EN 1993-1-3; EN 1993-1-4; EN 1993-1-5; EN 1993-1-6; EN 1993-1-7; EN 1993-1-8; EN 1993-1-9; EN 1993-1-10; EN 1993-1-11; EN 1993-2; EN 1993-3-1; EN 1993-3-2; EN 1993-4-1; EN 1993-4-2; EN 1993-4-3; EN 1993-5; EN 1993-6 nii, et oleks võimalik projekteerida konstruktsioone suurema tugevusklassiga terasest kui S460, kuid mitte enam kui S700.

Keel et

**EVS-EN 1993-1-12:2007+NA:2010**

Hind 114,00

Identne EN 1993-1-12:2007+AC:2009

ja identne EVS-EN 1993-1-12/NA:2010

**Eurokoodeks 3: Teraskonstruktioonide projekteerimine. Osa 1-12: Täiendavad reeglid standardi EN 1993 laiendamiseks kuni teraseni S 700**

Selles standardis EN 1993-1-12 antakse reeglid, mida võib kasutada koos järgmiste osadega EN 1993-1-1; EN 1993-1-2; EN 1993-1-3; EN 1993-1-4; EN 1993-1-5; EN 1993-1-6; EN 1993-1-7; EN 1993-1-8; EN 1993-1-9; EN 1993-1-10; EN 1993-1-11 nii, et oleks võimalik projekteerida konstruktioone suurema tugevusklassiga terastest kui S460, kuid mitte enam kui S700.

Keel et

**EVS-EN 1998-2:2006/AC:2010**

Hind 0,00

Identne EN 1998-2:2005/AC:2010

**Eurokoodeks 8: Maavärinat taluvate konstruktioonide projekteerimine. Osa 2: Sillad**

Keel en

**EVS-EN 14695:2010**

Hind 188,00

Identne EN 14695:2010

**Elastsed niiskusisolatsioonimaterjalid. Sarrustatud bituumenpapp betoonist sillaestakaadide ja muude sõidukite liikluseks kasutatavate betoonpindade niiskusisolatsiooniks. Määratlused ja omadused**

This European Standard specifies characteristics and performance of reinforced bitumen sheets for waterproofing of concrete bridge decks and other trafficked areas of concrete where the waterproofing system is bonded to the concrete deck and overlaid by asphalt. The standard also specifies the test methods used for verifying the characteristics and performance.

Keel en

**EVS-EN 15191:2010**

Hind 124,00

Identne EN 15191:2009

**Precast concrete products - Classification of glass-fibre reinforced concrete performances**

This European Standard deals with the classification of glassfibre reinforced concrete. This classification conforms to the needs of the design process of glassfibre reinforced concrete components. This European Standard applies only if EN 1169 is followed. This standard does not deal with design methods.

Keel en

**EVS-EN 15805:2010**

Hind 92,00

Identne EN 15805:2009

**Particulate air filters for general ventilation - Standardised dimension**

This European Standard specifies the header frame dimensions of air filters for general ventilation to be used in air handling units, air intake system filters for rotary machinery and other applications. This includes pocket filters, rigid (V type) filters and filters to which header frame dimensions are applicable.

Keel en

**EVS-EN 60335-2-73:2003/A2:2010**

Hind 80,00

Identne EN 60335-2-73:2003/A2:2009

ja identne IEC 60335-2-73:2002/A2:2009

**Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-73: Erinõuded kohtkindlatele sukelduskuumutitele**

This standard deals with the safety of fixed immersion heaters for household and similar purposes intended for installation in a water tank for heating water to a temperature below its boiling-point. The rated voltage is not more than 250 V for single-phase immersion heaters and 480 V for other immersion heaters.

Keel en

**EVS-EN ISO 1452-1:2010**

Hind 124,00

Identne EN ISO 1452-1:2009

ja identne ISO 1452-1:2009

**Plastics piping systems for water supply and for buried and above-ground drainage and sewerage under pressure - Unplasticized poly(vinyl chloride) (PVC-U) - Part 1: General**

This part of ISO 1452 specifies the general aspects of unplasticized poly(vinyl chloride) (PVC-U) solid-wall piping systems intended for water supply and for buried and above-ground drainage and sewerage under pressure. In conjunction with ISO 1452-2, ISO 1452-3, ISO 1452-4 and ISO 1452-5, it is applicable to PVC-U pipes, fittings, valves and ancillary equipment, their joints and to joints with components of other plastics and non-plastics materials intended to be used for the following: a) water mains and services buried in the ground; b) conveyance of water above ground for both outside and inside buildings; c) buried and above-ground drainage and sewerage under pressure. It is applicable to piping systems intended for the supply of water under pressure up to and including 25 °C (cold water), intended for human consumption and for general purposes as well as for waste water under pressure. This part of ISO 1452 is also applicable to components for the conveyance of water and waste water up to and including 45 °C. For temperatures between 25 °C and 45 °C, Figure A.1 of ISO 1452-2:2009 applies.

Keel en

Asendab EVS-EN 1452-1:1999; EVS-EN 1456-1:2002

## **EVS-EN ISO 1452-2:2010**

Hind 178,00

Identne EN ISO 1452-2:2009

ja identne ISO 1452-2:2009

### **Plastics piping systems for water supply and for buried and above-ground drainage and sewerage under pressure - Unplasticized poly(vinyl chloride) (PVC-U) - Part 2: Pipes**

This part of ISO 1452 specifies the characteristics of solid-wall pipes made from unplasticized poly(vinyl chloride) (PVC-U) for piping systems intended for water supply and for buried and above-ground drainage and sewerage under pressure. It also specifies the test parameters for the test methods referred to in this part of ISO 1452. In conjunction with ISO 1452-1 and ISO 1452-5, it is applicable to extruded PVC-U pipes without a socket and pipes with a socket (integral or not), intended to be used for the following: a) water mains and services buried in the ground; b) conveyance of water above ground for both outside and inside buildings; c) buried and above-ground drainage and sewerage under pressure. It is applicable to piping systems intended for the supply of water under pressure up to and including 25 °C (cold water) intended for human consumption and for general purposes as well as for waste water under pressure. This part of ISO 1452 specifies pipes for the conveyance of water and waste water up to and including 45 °C. For temperatures between 25 °C and 45 °C, Figure A.1 applies.

Keel en

Asendab EVS-EN 1456-1:2002; EVS-EN 1452-2:2000

## **EVS-EN ISO 1452-3:2010**

Hind 219,00

Identne EN ISO 1452-3:2009

ja identne ISO 1452-3:2009

### **Plastics piping systems for water supply and for buried and above-ground drainage and sewerage under pressure - Unplasticized poly(vinyl chloride) (PVC-U) - Part 3: Fittings**

This part of ISO 1452 specifies the characteristics of fittings made from unplasticized poly(vinyl chloride) (PVC-U) for piping systems intended for water supply and for buried and above-ground drainage and sewerage under pressure. It also specifies the test parameters for the test methods referred to in this part of ISO 1452. In conjunction with ISO 1452-1, ISO 1452-2 and ISO 1452-5, it is applicable to PVC-U fittings and to joints with components of PVC-U, other plastics and non-plastics materials intended to be used for the following: a) water mains and services buried in the ground; b) conveyance of water above ground for both outside and inside buildings; c) buried and above-ground drainage and sewerage under pressure. It is applicable to fittings in piping systems intended for the supply of water under pressure up to and including 25 °C (cold water), intended for human consumption and for general purposes as well as for waste water under pressure. This part of ISO 1452 is also applicable to components for the conveyance of water and waste water up to and including 45 °C. For temperatures between 25 °C and 45 °C, Figure A.1 of ISO 1452-2:2009 applies.

Keel en

Asendab EVS-EN 1452-1:1999; EVS-EN 1452-3:1999

## **EVS-EN ISO 1452-4:2010**

Hind 124,00

Identne EN ISO 1452-4:2009

ja identne ISO 1452-4:2009

### **Plastics piping systems for water supply and for buried and above-ground drainage and sewerage under pressure - Unplasticized poly(vinyl chloride) (PVC-U) - Part 4: Valves**

This part of ISO 1452 specifies the characteristics of valves made from unplasticized poly(vinyl chloride) (PVC-U) for piping systems intended for water supply and for buried and above-ground drainage and sewerage under pressure. It also specifies the test parameters for the test methods referred to in this part of ISO 1452. In conjunction with ISO 1452-1, ISO 1452-2, ISO 1452-3 and ISO 1452-5 it is applicable to PVC-U valves with components of PVC-U, other plastics and non-plastics materials intended to be used for the following: a) water mains and services buried in ground; b) conveyance of water above ground for both outside and inside buildings; c) buried and above-ground drainage and sewerage under pressure. It is applicable to valves in piping systems intended for the supply of water under pressure up to and including 25 °C (cold water) intended for human consumption and for general purposes as well as for waste water under pressure. This part of ISO 1452 is also applicable to valves for the conveyance of water and waste water up to and including 45 °C. For temperatures between 25 °C and 45 °C, Figure A.1 of ISO 1452-2:2009 applies.

Keel en

Asendab EVS-EN 1456-1:2002; EVS-EN 1452-4:1999

## **EVS-EN ISO 1452-5:2010**

Hind 135,00

Identne EN ISO 1452-5

ja identne ISO 1452-5:2009

### **Plastics piping systems for water supply and for buried and above-ground drainage and sewerage under pressure - Unplasticized poly(vinyl chloride) (PVC-U) - Part 5: Fitness for purpose of the system**

This part of ISO 1452 specifies the characteristics for the fitness for purpose of unplasticized poly(vinyl chloride) (PVC-U) piping systems intended for water supply and for buried and above-ground drainage and sewerage under pressure. It also specifies the test parameters for the test methods referred to in this part of ISO 1452. In conjunction with ISO 1452-1, ISO 1452-2, ISO 1452-3 and ISO 1452-4, it is applicable to joints and assemblies with components of PVC-U, other plastics and non-plastics materials intended to be used for the following: a) water mains and services buried in ground; b) conveyance of water above ground for both outside and inside buildings; c) buried and above-ground drainage and sewerage under pressure; It is applicable to piping systems intended for the supply of water under pressure up to and including 25 °C (cold water) intended for human consumption and for general purposes as well as for waste water under pressure. This part of ISO 1452 is also applicable to components for the conveyance of water and waste water up to and including 45 °C. For temperatures between 25 °C and 45 °C, Figure A.1 of ISO 1452-2:2009 applies.

Keel en

Asendab EVS-EN 1456-1:2002; EVS-EN 1452-5:2000

**EVS-EN ISO 10426-1:2010**

Hind 229,00

Identne EN ISO 10426-1:2009

ja identne ISO 10426-1:2009

**Nafta ja maagaasitööstused. Tsemendid ja materjalid kaevude tsementeerimiseks. Osa 1: Spetsifikatsioon**

This part of ISO 10426 specifies requirements and gives recommendations for six classes of well cements, including their chemical and physical requirements and procedures for physical testing. This part of ISO 10426 is applicable to well cement classes A, B, C and D, which are the products obtained by grinding Portland cement clinker and, if needed, calcium sulfate as an interground additive. Processing additives can be used in the manufacture of cement of these classes. Suitable set-modifying agents can be interground or blended during manufacture of class D cement. This part of ISO 10426 is also applicable to well cement classes G and H, which are the products obtained by grinding clinker with no additives other than one or more forms of calcium sulfate, water or chemical additives as required for chromium (VI) reduction.

Keel en

Asendab EVS-EN ISO 10426-1:2006

**EVS-EN ISO 14713-3:2010**

Hind 114,00

Identne EN ISO 14713-3:2009

ja identne ISO 14713-3:2009

**Zinc coatings - Guidelines and recommendations for the protection against corrosion of iron and steel in structures - Part 3: Sherardizing**

This part of ISO 14713 provides guidelines and recommendations regarding the general principles of design that are appropriate for articles to be sherardized for corrosion protection. The protection afforded by the sherardized coating to the article will depend upon the method of application of the coating, the design of the article and the specific environment to which the article is exposed. The sherardized article can be further protected by application of additional coatings (outside the scope of this part of ISO 14713), such as organic coatings (wet paints or powder coatings). When applied to sherardized articles, this combination of coatings is often known as a "duplex system". General guidance on this subject can be found in ISO 12944-5 and EN 13438. The maintenance of corrosion protection in service for steel with sherardized coatings is outside the scope of this part of ISO 14713. Specific product-related requirements (e.g. for sherardized coatings on fasteners or tubes, etc.) will take precedence over these general recommendations.

Keel en

**EVS-EN ISO 14713-1:2010**

Hind 155,00

Identne EN ISO 14713-1:2009

ja identne ISO 14713-1:2009

**Guidelines and recommendations for the protection against corrosion of iron and steel in structures - Zinc coatings - Part 1: General principles of design and corrosion resistance**

This part of ISO 14713 provides guidelines and recommendations regarding the general principles of design which are appropriate for articles to be zinc coated for corrosion protection and the level of corrosion resistance provided by zinc coatings applied to iron or steel articles, exposed to a variety of environments. Initial protection is covered in relation to - available standard processes, - design considerations, and - environments for use. This part of ISO 14713 applies to zinc coatings applied by the following processes: a) hot dip galvanized coatings (applied after fabrication); b) hot dip galvanized coatings (applied onto continuous sheet); c) sherardized coatings; d) thermal sprayed coatings; e) mechanically plated coatings; f) electrodeposited coatings. These guidelines and recommendations do not deal with the maintenance of corrosion protection in service for steel with zinc coatings. Guidance on this subject can be found in ISO 12944-5 and ISO 12944-8.

Keel en

Asendab EVS-EN ISO 14713:2001

**EVS-EN ISO 14713-2:2010**

Hind 166,00

Identne EN ISO 14713-2:2009

ja identne ISO 14713-2:2009

**Zinc coatings - Guidelines and recommendations for the protection against corrosion of iron and steel in structures - Part 2: Hot dip galvanizing**

This part of ISO 14713 provides guidelines and recommendations regarding the general principles of design which are appropriate for articles to be hot dip galvanized for corrosion protection. The protection afforded by the hot dip galvanized coating to the article will depend upon the method of application of the coating, the design of the article and the specific environment to which the article is exposed. The hot dip galvanized article can be further protected by application of additional coatings (outside the scope of this part of ISO 14713), such as organic coatings (paints or powder coatings). When applied to hot dip galvanized articles, this combination of coatings is often known as a "duplex system". The guidelines and recommendations in this part of ISO 14713 do not deal with the maintenance of corrosion protection in service for steel with hot dip galvanized coatings. Guidance on this subject can be found in ISO 12944-5. Specific product-related requirements (e.g. for hot dip galvanized coatings on tubes or fasteners, etc.) will take precedence over these general recommendations.

Keel en

Asendab EVS-EN ISO 14713:2001

**EVS-EN ISO 22391-1:2010**

Hind 114,00

Identne EN ISO 22391-1:2009

ja identne ISO 22391-1:2009

**Plastics piping systems for hot and cold water installations - Polyethylene of raised temperature resistance (PE-RT) - Part 1: General**

This part of ISO 22391 specifies the general characteristics of piping systems made of polyethylene of raised temperature resistance (PE-RT), Type I, and polyethylene of raised temperature resistance (PE-RT), Type II, intended to be used for hot and cold water installations within buildings for the conveyance of water, whether or not the water is intended for human consumption (domestic systems) and for heating systems, under specified design pressures and temperatures appropriate to the class of application. This part of ISO 22391 covers a range of service conditions (classes of application), design pressures and pipe dimension classes, and also specifies test parameters and defines terms. In conjunction with the other parts of ISO 22391, it is applicable to PE-RT pipes, fittings, their joints and to joints having components of PE-RT, as well as of other plastics and non-plastics materials, respectively, used for hot and cold water installations. It is not applicable to values of design temperature, maximum design temperature or malfunction temperature in excess of those it specifies.

Keel en

**EVS-EN ISO 22391-2:2010**

Hind 145,00

Identne EN ISO 22391-2:2009

ja identne ISO 22391-2:2009

**Plastics piping systems for hot and cold water installations - Polyethylene of raised temperature resistance (PE-RT) - Part 2: Pipes**

This part of ISO 22391 specifies the characteristics of pipe made of - polyethylene of raised temperature resistance (PE-RT), Type I, and - polyethylene of raised temperature resistance (PE-RT), Type II, intended to be used for hot and cold water installations within buildings for the conveyance of water, whether or not the water is intended for human consumption (domestic systems) and for heating systems, under the design pressures and temperatures appropriate to the class of application according to ISO 22391-1. This part of ISO 22391 covers a range of service conditions (classes of application), design pressures and pipe dimension classes, and also specifies test parameters and test methods. In conjunction with the other parts of ISO 22391, it is applicable to PE-RT pipes, fittings, their joints, and to joints having components of PE-RT, as well as of other plastics and non-plastics materials, respectively, used for hot and cold water installations. It is applicable to pipes with or without a barrier layer or layers. It is not applicable to values of design temperature, maximum design temperature or malfunction temperature in excess of those specified in ISO 22391-1.

Keel en

**EVS-EN ISO 22391-3:2010**

Hind 145,00

Identne EN ISO 22391-3:2009

ja identne ISO 22391-3:2009

**Plastics piping systems for hot and cold water installations - Polyethylene of raised temperature resistance (PE-RT) - Part 3: Fittings**

This part of ISO 22391 specifies the characteristics of fittings for piping systems made of polyethylene of raised temperature resistance (PE-RT), Type I, and polyethylene of raised temperature resistance (PE-RT), Type II, intended to be used for hot and cold water installations within buildings for the conveyance of water, whether or not the water is intended for human consumption (domestic systems) and for heating systems, under the design pressures and temperatures appropriate to the class of application according to ISO 22391-1. This part of ISO 22391 covers a range of service conditions (classes of application), design pressures and pipe dimension classes, and also specifies test parameters and test methods. In conjunction with the other parts of ISO 22391, it is applicable to fittings made of PE-RT, as well as to those made of other materials, intended to be fitted to pipes conforming to ISO 22391-2 for hot and cold water installations, the joints of which are in accordance with ISO 22391-5. This part of ISO 22391 is applicable to the following types of fitting: - mechanical fittings; - socket fusion fitting; - electrofusion fittings; - fittings with incorporated inserts. It is not applicable to values of design temperature, maximum design temperature or malfunction temperature in excess of those specified in ISO 22391-1.

Keel en

**EVS-EN ISO 22391-5:2010**

Hind 114,00

Identne EN ISO 22391-5:2009

ja identne ISO 22391-5:2009

**Plastics piping systems for hot and cold water installations - Polyethylene of raised temperature resistance (PE-RT) - Part 5: Fitness for purpose of the system**

This part of ISO 22391 specifies the characteristics of the fitness for purpose of piping systems made of - polyethylene of raised temperature resistance (PE-RT), Type I, and - polyethylene of raised temperature resistance (PE-RT), Type II, intended to be used for hot and cold water installations within buildings for the conveyance of water, whether or not the water is intended for human consumption (domestic systems) and for heating systems, under the design pressures and temperatures appropriate to the class of application according to ISO 22391-1. This part of ISO 22391 covers a range of service conditions (classes of application), design pressures and pipe dimension classes, and also specifies test parameters and test methods. In conjunction with the other parts of ISO 22391, it is applicable to PE-RT pipes, fittings, their joints, and to joints having components of PE-RT as well as of other plastics and non-plastics materials, respectively, used for hot and cold water installations. It is not applicable to values of design temperature, maximum design temperature or malfunction temperature in excess of those specified in ISO 22391-1.

Keel en

## **ASENDATUD VÕI TÜHISTATUD STANDARDID**

### **EVS 1991-4:2003**

ja identne EVS 1991-4:2003

#### **Ehituskonstruksioonide koormused. Osa 4: Puiste- ja vedelikmahutite koormused**

Standard EVS 1991-4 käsitleb järgmisi küsimusi: - 2. peatükk "Üldsätted ja eeskirjad" - 3. peatükk "Arvutusolukorrad" - 4. peatükk "Puistekoormus" - 5. peatükk "Vedelikukoormus" - Lisa A "Koormuskombinatsioonid" - Lisa B "Puistematerjali parameetrite katselise määramise meetodid" - Lisa C "Seismokoormused"

Keel et

Asendatud EVS-EN 1991-4:2006; EVS-EN 1991-4:2006+NA:2009; EVS-EN 1991-4/NA:2009

### **EVS 1991-5:2003**

ja identne EVS 1991-5:2003

#### **Ehituskonstruksioonide koormused. Osa 5: Kraanade ja muude mehhanismide põhjustatud koormused**

EVS 1991-5 annab hoonete ja rajatiste projekteerimise üldpõhimõtted, koormused, samuti teatud geotehnilisi seisukohti. Teda kasutatakse koos standarditega EVS 1992 - EVS 1999. Seda standardit võib kasutada ka selliste konstruksioonide projekteerimisel, mida praeguseks avaldatud standardid ei hõlma ja kus on kasutatud teistsuguseid materjale või koormusi. EVS 1991-5 hõlmab ka ehitusaegseid koormusi ja ajutiste ehitiste projekteerimist. Teda tuleks kasutada kõigil juhtudel, kus konstruksioonilt nõutakse küllaldast toimivust. EVS 1991-5 ei ole otseselt mõeldud olemasolevate ehitiste konstruksioonide hindamiseks nende remondi, rekonstrueerimise või kasutuseesmärgi muutmise puhul, kuid sobivuse korral võib kasutada. EVS 1991-5 ei hõlma projekteerimise eriolukordi, kus rakendatakse era-kordseid usaldatavuskriteeriume nagu näiteks tuumarajatiste korral. Sellistel juhtudel kasutatakse spetsiaalseid projekteerimiseeskirju.

Keel et

Asendatud EVS-EN 1991-3:2006; EVS-EN 1991-3:2006+NA:2008; EVS-EN 1991-3/NA:2008

### **EVS 1992-3:2003**

ja identne EVS 1992-3:2003

#### **Raudbetoonkonstruksioonid. Osa 3: Raudbetoonvundamendid**

Käesolev osa 3 annab täiendavaid juhiseid hoonete ja rajatiste vundamentide raudbetoonosade projekteerimiseks nende stabiilsuse, tugevuse, kasutatavuse ja kestvuse nõuete kohaselt.

Keel et

Asendatud EVS-EN 1992-3:2006; EVS-EN 1992-3:2006+NA:2009; EVS-EN 1992-3/NA:2009

### **EVS 1992-1-3:2003**

ja identne EVS 1992-1-3:2003

#### **Raudbetoonkonstruksioonid. Osa 1-3: Monteeritavate raudbetoonelementide ja -konstruksioonide projekteerimise üldeeskirjad**

EVS 1992 osa 1-3 kasutusvaldkond. Peale punkti (5) lisandub: Osa 1-3 annab osaliselt või täielikult monteeritavatest elementidest hoone-konstruksioonide projekteerimise alused. Monteeritavaid konstruksioone iseloomustab vuukide olemasolu, mille läbi elemendid omavahel ühendatakse. Käesolevas osas 1-3 toodud eeskirjad ja rakendusjuhised on kooskõlas EVS 1992-1-1:2003 toodutega. Konstruksioonide valmistamist ja montaaži puudu-tavad küsimused on sätestatud vastavates standardites.

Keel et

Asendatud EVS-EN 1992-1-1:2005; EVS-EN 1992-1-1:2005+NA:2007; EVS-EN 1992-1-1/NA:2007

### **EVS 1992-1-6:2003**

ja identne EVS 1992-1-6:2003

#### **Raudbetoonkonstruksioonid. Osa 1-6: Armeerimata betoonkonstruksioonide projekteerimise üldeeskirjad**

Käesolev osa 1-6 annab täiendavaid juhiseid lisaks standardis EVS 1992-1-1 toodud põhijuhistele hoonete ja rajatiste standardiga EN 206 määratletud tavalisest betoonist elementide projekteerimiseks. Peale punkti (5) lisandub: Käesolev osa 1-6 rakendub elementidele, mille puhul võib loobuda dünaamilise koormuse mõju arvesse võtmisest. Sellised elemendid võivad olla: - peamiselt surutud (välja arvatud eelpingestusjõust põhjustatud surve) betoonelemendid, näiteks seinad, postid, kaared ja tunnelid; - betoonist lint- ja üksikvundamendid (postivundamendid); - betoonist tugiseinad. Osa 1-6 võib kasutada ka standardile ENV 1992-1-4 vastava kerge täite-materjali ja suletud struktuuriga betooni korral ning standardis EVS 1992-1-3 käsitletavate monteeritavate elementide ja konstruksioonide korral. Nendel juhtudel võib olla vajalik projekteerimisjuhiseid vastavalt täpsustada.

Keel et

Asendatud EVS-EN 1992-1-1:2005; EVS-EN 1992-1-1:2005+NA:2007; EVS-EN 1992-1-1/NA:2007

### **EVS 1992-1-1:2003**

ja identne EVS 1992-1-1:2003

#### **Raudbetoonkonstruksioonid. Osa 1-1: Üldeeskirjad ja hoonekonstruksioonide projekteerimiseeskirjad**

Standard rakendub ehitiste betoon-, raudbetoon- ja pingebetoonkonstruksioonide projekteerimisel. Standard käsitleb ainult konstruksioonide tugevusele, kasutamiskõlblikkusele ja kestvusele esitatavaid nõudeid.

Keel et

Asendatud EVS-EN 1992-1-1:2005; EVS-EN 1992-1-1:2005+NA:2007; EVS-EN 1992-1-1/NA:2007

### **EVS 1993-1-3:2003**

ja identne EVS 1993-1-3:2003

#### **Teraskonstruksioonid. Osa 1-3: Külmpainutatud profiilid ja profiilplekk**

EVS 1993 käesolevas osas käsitletakse peamiselt hoonete konstruksioonides kasutatavate külmpainutatud terasprofiilidest konstruksioonelementide ja profiilpleki arvutust. EVS 1993 käesolevas osas on toodud projekteerimismeetodid konstruksiooni-elementide ja liidete kandevõime määramiseks ja kasutuspiiriseisundi kriteeriumide kontrolliks. Need projekteerimismeetodid võivad põhineda nii teoreetilistel arvutustel kui ka katsetel. Külmpainutatud terasprofiilidena (edaspidi painutatud profiilid) kasutatakse enamasti konstantse ristlõikega tüüprofiile, mille puhul aga teoreetilistel kaalutlustel põhinevate arvutusmeetodite kasutamine toob sageli kaasa terase kulu seisukohalt ebasoodsaid lahendusi. Seetõttu kasutatakse painutatud profiilide jt elementide projekteerimisel sageli katsetel põhinevaid arvutusmeetodeid või otseseid katseid. Käesolevas standardis toodud materjali omadusi puudutavad ja geomeetrilised piirangud on jõus ainult arvutustel põhinevate projekteerimismeetodite puhul. Käesolevas standardis käsitletakse ainult painutatud profiilide ja profiilpleki projekteerimiseeskirju. Kõik EVS-EN 1990 kui põhidokumendis sisalduvad üldpõhi-mõtted ja kitsendused jäävad jõusse.

Keel et

Asendatud EVS-EN 1993-1-3/NA:2008; EVS-EN 1993-1-3:2006; EVS-EN 1993-1-3:2006+NA:2008

### **EVS 1993-1-5:2003**

ja identne EVS 1993-1-5:2003

#### **Teraskonstruksioonid. Osa 1-5: Lisanõuded põiksuunas koormamata tasapinnaliste plaatkonstruksioonide projekteerimiseks.**

Standard käsitleb jäikuritega ja jäikuriteta terasplaatide (-lehtede) projek-teerimist. Käesolevat standardit kasutatakse koos EVS 1993-1-1 ja EVS 1993 teiste osadega. Antakse juhiseid plaatide mõlkearvutusteks ning samuti l- ja kastprofiilide nihkehäire (nihkedeformatsioonist tingitud normaalpinge jaotuse ebaühtlus) mõju arvutamiseks. Neid arvutusjuhiseid võib kohaldada ka mahutite ja silode lehtelementide plaadi pinna sihiliste mõjude arvutamiseks. EVS 1993-1-5 ei käsitle arvutusi plaadi (lehe) pinnaga risti mõjuva koormuse suhtes. Toodud arvutusmeetodid kohalduvad EVS 1993-1-1 jaotise 5.3.1 liigituse järgi 3. ja 4. ristlõikeklassi kuuluvatele konstruksioonidele. 1. või 2. ristlõikeklassi kuuluvaid konstruksioone võib käsitleda 3. ristlõikeklassi konstruksioonina, kuid plastsest arvutuskeemist tulenevat täiendavat kandevõimet käesolev standard ei võimalda arvesse võtta. EVS 1993-1-5 eeskirjad korvavad osaliselt EVS 1993-1-1 5. peatükis toodud eeskirju.

Keel et

Asendatud EVS-EN 1993-1-5/NA:2008; EVS-EN 1993-1-5:2006; EVS-EN 1993-1-5:2006+NA:2008

### **EVS 1993-4-2:2003**

ja identne EVS 1993-4-2:2003

#### **Teraskonstruksioonid. Osa 4-2: Vedelikumahutid**

EVS 1993-4-2 rakendub maapealsetele püstsilindrilistele terasmahutitele, mis on ette nähtud järgmiste parameetritega vedelike salvestamiseks: a) mahuti siserõhk on piirides -100 mbar kuni +500 mbar; b) metalli projekttemperatuur on vahemikus -196 °C kuni +300 °C; c) maksimaalne vedelikunivoo pole kõrgem kui projekteeritava mahuti korpuse ülaser. EVS 1993-4-2 puudutab ainult terasmahutite tugevust ja stabiilsust. Teiste nõuete (näiteks ohutuse, valmistamise, montaaži ja katsetamise, funktsionaalsete nõuete, sissepääsuavade, flanšide, täiteseadmete jms) osas tuleb juhendada Euroopa standardi kavandist prEN 14015-1. Seismilise projekteerimise erinõuete eeskirjad on antud Euroopa eelstandardis ENV 1998-4 "Eurocode 8: Design of structures for earthquake resistance - Part 4: Silos, tanks, and pipelines", mis täiendab või kohaldab ENV 1993 ja EVS 1993 eeskirju selles osas. Raudbetoonvundamente terasmahutite jaoks käsitlevad EVS 1992 ja EVS 1997. Vedelikumahutite koormuste määramise eeskirjad on toodud käesoleva standardi lisas. Käesolev standard ei kata: - ujukatused ja -katteid, - vastupanu tulekahjule (vt EVS 1993-1-2).

Keel et

Asendatud EVS-EN 1993-4-2:2007; prEVS-EN 1993-4-2:2007+NA; prEVS-EN 1993-4-2/NA

### **EVS 1993-6:2003**

ja identne EVS 1993-6:2003

#### **Teraskonstruksioonid. Osa 6: Kraanade kandekonstruksioonid**

Käesolevas standardis antakse eeskirjad ja nende rakendusjuhised kraanatalade ja muude kraanasid kandvate konstruksioonide, kaasa arvatud postide ja muude terasest konstruksioonelementide projekteerimiseks. Standard käsitleb nii hoone sees kui väljaspool hoonet paiknevaid sildkraanateid.

Keel et

Asendatud EVS-EN 1993-6:2007; EVS-EN 1993-6:2007+NA:2009; EVS-EN 1993-6/NA:2009

### **EVS 1993-1-1:2003**

ja identne EVS 1993-1-1:2003

#### **Teraskonstruksioonid. Osa 1-1: Hoonete teraskonstruksioonide projekteerimiseeskirjad**

Käesolev teraskonstruksioonide projekteerimise standard käsitleb peamiselt tavaliste ehitiste teraskonstruksioone (põhiliselt hoonete kandekonstruksioone). Sildade, mastide, mahutite, kraanade jms enam või vähem spetsiifiliste rajatiste konstruksioone käesolev standard ei käsitle.

Keel et

Asendatud EVS-EN 1993-1-1:2005; EVS-EN 1993-1-1:2005+NA:2006

### **EVS 1993-1-2:2003**

ja identne EVS 1993-1-2:2003

#### **Teraskonstruksioonid. Osa 1-2: Tulepüsivus**

Standard käsitleb teraskonstruksioonide arvutust tulekahjust põhjustatud avariilukorras ning seda tuleb kasutada koos standarditega EVS 1993-1-1 ja EVS-EN 1991-1-2. Standardis käsitletakse ainult erinevusi või täiendusi keskkonna normaaltemperatuuril sooritavate arvutuste juurde.

Keel et

Asendatud EVS-EN 1993-1-2:2006; EVS-EN 1993-1-2:2006+NA:2007; EVS-EN 1993-1-2/NA:2007

#### **EVS 1993-1-4:2005**

ja identne EVS 1993-1-4:2005

#### **Teraskonstruksioonid. Osa 1-4: Roostevabast terasest konstruktsioonide projekteerimine**

Käesolevas standardis EVS 1993-1-4 tuuakse lisajuhiseid ja eeskirju standardite EVS 1993-1-1 ja EVS 1993-1-3 kasutusvaldkonna laiendamiseks roostevabadele austeniit- ja austeniit-ferriit-terastele. Juhul, kui käesoleva standardi 3. kuni 9. peatüki vastavates kohtades pole väidetud vastupidist, võib kõiki EVS 1993-1-1 ja EVS 1993-1-3 eeskirju kohaldada ka käesolevas standardis käsitletavatele roostevabadele terastele. Roostevabu teraseid, nende kestvust ja konstruktsioonide valmistamise iseärasusi käsitlevaid andmeid on toodud lisades A, B ja C.

Keel et

Asendatud EVS-EN 1993-1-4:2006; EVS-EN 1993-1-4:2006+NA:2008; EVS-EN 1993-1-4/NA:2008

#### **EVS 1993-4-1:2005**

ja identne EVS 1993-4-1:2005

#### **Teraskonstruksioonid. Osa 4-1: Puistemahutid**

Standardit kasutatakse terasest ringsilindriliste või ristkülikukujuliste puistemahutite projekteerimisel. Standard käsitleb ainult terasest puistemahutite tugevuse ja stabiilsuse nõudeid.

Keel et

Asendatud EVS-EN 1993-4-1:2007; EVS-EN 1993-4-1:2007+NA:2010; EVS-EN 1993-4-1/NA:2010

#### **EVS 1994-1-1:2003**

ja identne EVS 1994-1-1:2003

#### **Komposiitkonstruktsioonid. Osa 1-1: Hoonete komposiitkonstruktsioonide projekteerimise üldeeskirjad**

Standard on ette nähtud hoonete komposiitkonstruktsioonide ja nende elementide projekteerimiseks. Komposiitkonstruktsioonid ja nende elemendid koosnevad omavahelist koostööd tagavalt ühendatud teras- ja raudbetoon- või pingbetoonosadest. Standard käsitleb ainult komposiitkonstruktsioonide kandevõimele, kasutuspiirseisundiga seotud näitajatele ja säilivusele esitatud nõudeid.

Keel et

Asendatud EVS-EN 1994-1-1:2006; EVS-EN 1994-1-1:2006+NA:2007; EVS-EN 1994-1-1/NA:2007

#### **EVS 1995-2:2003**

ja identne EVS 1995-2:2003

#### **Puitkonstruktsioonid. Osa 2: Puitsillad**

Käesolev standard käsitleb sildade põhikonstruktsioonide projekteerimist, mis on tehtud puidust ja teistest puidul põhinevatest materjalidest, monoliitsena või betooni, terase või muu materjali komposiitkonstruktsioonina kasutamisel.

Keel et

Asendatud EVS-EN 1995-2:2005; EVS-EN 1995-2:2005+NA:2007; EVS-EN 1995-2/NA:2007

#### **EVS 1995-1-1:2005**

ja identne EVS 1995-1-1:2005

#### **Puitkonstruktsioonid. Osa 1-1: Üldeeskirjad ja eeskirjad hoonete projekteerimiseks**

EVS 1995-1-1 annab üldised alused puidust hoonete projekteerimiseks ja ehitustöödeks.

Keel et

Asendatud EVS-EN 1995-1-1:2005; EVS-EN 1995-1-1:2005/A1:2008; EVS-EN 1995-1-1:2005+NA:2007+A1:2008+NA:2009; EVS-EN 1995-1-1/NA:2007+A1:2008/NA:2009

#### **EVS 1995-1-2:2003**

ja identne EVS 1995-1-2:2003

#### **Puitkonstruktsioonid. Osa 1-2: Tulepüsivus**

Standard käsitleb puitkonstruktsioonide projekteerimist tulekahjuolukorras. Standard käsitleb ainult tuleohutuse passiivseid meetodeid. Aktiivse tuleohutuse meetodeid käsitletud ei ole.

Keel et

Asendatud EVS-EN 1995-1-2:2005; EVS-EN 1995-1-2:2005+NA:2006

#### **EVS 1996-3:2003**

ja identne EVS 1996-3:2003

#### **Kivikonstruktsioonid. Osa 3: Kivikonstruktsioonide lihtsustatud arvutused**

Käesolevas standardis EVS 1996-3 on esitatud lihtsustatud arvutusmeetodid või juhised armeerimata müüritise hõlpsamaks projekteerimiseks. Lihtsustatud arvutusmeetodid on antud: - vertikaal- ja tuulekoormusega seinale; - koondatud jõududega koormatud seinale; - diafragmale; - keldriseinale; - kuni kolmekorruselise hoone seinte paksuse määramiseks; - kuni kolmekorruselise hoone diafragmade paksuse määramiseks. Lihtsad juhised on antud: - kuni neljakorruselise hoone keldriseinte paksuse määramiseks; - mittekandvate siseseinte paksuse määramiseks. Käesolev standard annab eelpool mainitud juhtudeks projekteerimiseeskirjad ja rakendusjuhised. Käesolevas standardis esitatud juhised kehtivad ainult Eesti standardis EVS 1996-1-1 ja Euroopa eelstandardis ENV 1996-2 kirjeldatud kivikonstruktsioonide või nende osade kohta. Käesolevas standardis esitatud lihtsustatud arvutusmeetodid ei ole rakendatavad avariiolekordade puhul.

Keel et

Asendatud EVS-EN 1996-3:2006; EVS-EN 1996-3:2006+NA:2009; EVS-EN 1996-3/NA:2009



### **EVS 1996-1-1:2003**

ja identne EVS 1996-1-1:2003

#### **Kivikonstruktsioonid. Osa 1-1: Üldeeskirjad ja hoonekonstruktsioonide projekteerimise eeskirjad**

EVS 1996 osa 1-1 annab hoonete ja rajatiste armeerimata, armeeritud, pinges-tatud ja liitmüüritise projekteerimise põhialused eeldusel, et ladumisel kasutatakse mörte, mis on tehtud loodusliku liivaga või kivide, kruusa või kergete agregaatainete purustamisel saadud liivaga, ning järgmisi müürikive:- põletatud savikivid, kaasa arvatud savist kergkivid, lubi-silikaatkivid;- kerg- või raskest betoonist kivid - betoonkivid (tsementkivid);- mullbetoonist väikeplokid;- muud tehiskivid;- mõõtu tahutud looduskivid.Osas 1-1 vaadeldakse armeeritud müüritist, kuhu armatuur on lisatud müüritise venivuse, tugevuse või kasutuskindluse suurendamiseks. Tuuakse pingestatud ja liitmüüritise tegemise põhimõtted, rakendusjuhiseid ei anta.Armeeritud ja pingestatud müüritise projekteerimisel peab projekteerija arvestama müüri ja betoontäite koostööd. Juhul, kui betooni osa muutub konstruktsiooni üldtugevuses valdavaks, tehakse arvutused EVS 1992 alusel ja müüritise osa ei arvestata.Nende konstruktsioonide puhul, mille projekteerimine ei mahu täielikult käesoleva standardi raamidesse, samuti olemasolevate ja uute materjalide uue kasutusviisi puhul või normaalsetest suuremate koormuste korral kasutatakse projekteerimisel samu eeskirju ja rakendusjuhiseid nagu käesolevas standardis, kuid vastavate täiendustega.Osa 1-1 annab detailsed juhised lihtsate ehitiste jaoks. Keerukamatel juhtudel võib toodud juhiste kasutamine olla piiratud. Piirangud ja rakendusvõimalused antakse tekstis, kui see on vajalik.

Keel et

Asendatud EVS-EN 1996-1-1:2005; EVS-EN 1996-1-1:2005+NA:2008; EVS-EN 1996-1-1/NA:2008

### **EVS 1997-2:2003**

ja identne EVS 1997-2:2003

#### **Geotehniline projekteerimine. Osa 2: Laboriteimid**

EVS 1997-2 "Geotehniline projekteerimine. Osa 2: Laboriteimid" on EVS 1997 "Geotehniline projekteerimine" teine osa. Geotehnilise projekteerimise välikatseid käsitleb EVS 1997-3 "Geotehniline projekteerimine. Osa 3: Välikatsed". Standard on kavandatud eelkõige ehitistele, mis kuuluvad EVS 1997-1 jaotis 2.1 järgi 2. geotehnilisse kategooriasse. EVS 1997-2 tuleb kasutada koos standardiga EVS 1997-1:2003. EVS 1997-2 esitab iga laboriteimi programmi, aparatuuri, teimiprotseduuride ning teimitulemuste hindamise ja esitamise põhinõuded. EVS 1997-2 käsitleb ainult tavaliselt kasutatavaid laboriteime, mis valiti arvestades nende tähtsust geotehnika praktikas, kättesaadavust majanduslikult iseseisvates geotehnikalaborites ning teimimetoodika tunnustatust. Täiustatud teime, mis võivad olla olulised 3. geotehnilise kategooriaga ehitiste projekteerimisel, nimetatakse ainult koos käsitletava teimiga. EVS 1997-2 ei käsitle veega küllastamata pinnase teimimist ja parameetrite määramist, mis on vajalikud teatud arvutustes (Poissoni tegur, nihkemoodul, elastsusmoodul).

Keel et

Asendatud EVS-EN 1997-2:2007; EVS-EN 1997-2:2007+NA:2008

### **EVS 1997-3:2003**

ja identne EVS 1997-3:2003

#### **Geotehniline projekteerimine. Osa 3: Välikatsed**

EVS 1997-3 "Geotehniline projekteerimine. Välikatsed" on EVS 1997 "Geotehniline projekteerimine" 3. osa. EVS 1997-3 käsitleb üldkasutatavate välikatsete puhul: a) nõudeid seadmete ja katseprotseduuride kohta;b) nõudeid katseandmete registreerimise ja esitamise kohta;c) katsetulemuste interpreteerimist. EVS 1997-3 on lüüks EVS 1997-1 projekteerimisnõuete ja välikatsete tulemuste vahel. Standardis EVS 1997-3 esitatakse näiteid selle kohta, kuidas tuletada katsetulemustest geotehniliste parameetrite väärtusi. EVS 1997-3 tuleb kasutada koos standardiga EVS 1997-1.

Keel et

Asendatud EVS-EN 1997-2:2007; EVS-EN 1997-2:2007+NA:2008

### **EVS 1997-1:2003**

ja identne EVS 1997-1:2003

#### **Geotehniline projekteerimine. Osa 1: Üldeeskirjad**

EVS 1997-1 annab ehitiste geotehnilise projekteerimise üldised alused. EVS 1997-1 koosneb järgmistest peatükkidest: Peatükk 1. Sissejuhatus Peatükk 2. Geotehnilise projekteerimise alused Peatükk 3. Geotehnilised alusandmed Peatükk 4. Ehituse järelevalve, seire ja hooldus Peatükk 5. Pinnastäited, kuivendus, pinnase parendamine ja armeerimine Peatükk 6. Madalvundamendid Peatükk 7. Vaivundamendid. Peatükk 8. Tugi- ja sulundseinad. Peatükk 9. Pinnastammid ja nõlvad EVS 1997 muud osad. Lisaks standardile EVS 1997-1:2003 kuuluvad EVS 1997 koosseisu veel järgmised osad: EVS 1997-2:2003 Geotehniline projekteerimine. Osa 2: Laboriteimid. EVS 1997-3:2003 Geotehniline projekteerimine. Osa 3: Välikatsed.

Keel et

Asendatud EVS-EN 1997-1:2005; EVS-EN 1997-1:2005+NA:2006

### **EVS/TS 1992-1-2:2006**

#### **BETONKONSTRUKTSIOONID. Osa 1-2: Tulepüsivusarvutus**

EVS/TS 1992-1-2 käsitleb betoonkonstruktsioonide arvutamist tulekahjukoormustega ja kasutada tuleb seda koos EVS 1992-1-1 ja EVS-EN 1991-1-2-ga. Käesolev dokument esitab täiendusi ja erinevusi konstruktsioonide arvutamisest normaaltemperatuuril. Osa 1-2 käsitleb ainult passiivseid konstruktsioonilisi (ehituslikke) tulekaitsemeetodeid. Aktiivseid tulekaitsemeetodeid ei käsitleta. Osa 1-2 on rakendatav konstruktsioonidele, mis üldise tuleohutuse tagamiseks peavad täitma järgmisi nõudeid: -vältima konstruktsiooni enneaegset varisemist, -tõkestama tulekahju levikut (leegid, kuum gaas, äärmuslik kuumus) väljapoole kindlaksmääratud ala (eraldusfunktsioon). Osa 1-2 annab eeskirjad ja rakendusjuhised (vt EVS 1992-1-1 jaotis 1.2) jaotises (3) toodud nõuete täitmiseks konstruktsioonide projekteerimisel (väljendub nt nõutavas standardtulepüsivuses). Osa 1-2 rakendub konstruktsioonidele või nende osadele, mis kuuluvad EVS 1992 osade 1-1 ja 1-3 kuni 1-6 kasutusvaldkonda. Ei rakendu: -välise pingearmatuuriga konstruktsioonidele, -kooorkonstruktsioonidele.

Keel et

Asendatud EVS-EN 1992-1-2:2005; EVS-EN 1992-1-2:2005+NA:2008; EVS-EN 1992-1-2/NA:2008

**EVS/TS 1993-3-1:2006****Teraskonstruksioonid. Tornid, mastid ja korstnad.****Osa 3-1: Tornid ja mastid**

EVS/TS 1993-3-1 on ette nähtud nii vabalt seisvate sõrestikmastide (tornide) kui ka vantidega toetatud mastide projekteerimiseks. Vabalt seisvate ja vantidega toetatud silindriliste konstruktsioonide (korstnate) projekteerimise eeskirjad on antud Euroopa eelstandardis ENV 1993-3-2, millele vastav eestikeelne standard jäi avaldamata. Tugivantide projekteerimiseeskirjad on esitatud käesolevas dokumendis.

Keel et

Asendatud EVS-EN 1993-3-1:2006; EVS-EN 1993-3-1:2006+NA:2009; EVS-EN 1993-3-1/NA:2009

**EVS-EN 81-2:1999**

Identne EN 81-2:1998+AC:1999

**Liftide valmistamise ja paigaldamise ohutuseeskirjad. Osa 2: Hüdraulilised liiftid**

See standard määrab kindlaks ohutuseeskirjad, mis kehtivad selliste statsionaarselt paigaldatud hüdrauliliste liiftide ehitamise ja paigaldamise kohta, mis teenindavad kindlaid sisenemis- ja väljumistasandeid, millel on inimeste veoks või inimeste ja kaubaveoks kohandatud kabiin, mis on kinnitatud hüdrosilindri külge või riputatud trosside või kettide otsa, ning mis liiguvad juhtrööbaste vahel, mille kalle vertikaali suhtes ei ületa 15°.

Keel en

Asendatud EVS-EN 81-2:1998+A3:2010

**EVS-EN 81-1:1999**

Identne EN 81-1:1998+AC:1999

**Liftide valmistamise ja paigaldamise ohutuseeskirjad. Osa 1: Elektriliiftid**

See standard määrab kindlaks ohutuseeskirjad, mis kehtivad selliste statsionaarselt paigaldatud uute elektriliiftide valmistamise ja paigaldamise kohta, millel on tõmbe- või sundajam, mis teenindavad kindlaid sisenemis- ja väljumistasandeid, millel on inimeste veoks või kauba- ja inimeste veoks kohandatud kabiin, mis on riputatud trosside või kettide otsa, ning mis liiguvad juhtrööbaste vahel, mille kalle vertikaali suhtes ei ületa 15°.

Keel en

Asendatud EVS-EN 81-1:1998+A3:2010

**EVS-EN 81-2:1999/A1:2006**

Identne EN 81-2:1998/A1:2005

**Liftide valmistamise ja paigaldamise ohutuseeskirjad. Osa 2: Hüdraulilised liiftid**

See standard määrab kindlaks ohutuseeskirjad, mis kehtivad selliste statsionaarselt paigaldatud hüdrauliliste liiftide ehitamise ja paigaldamise kohta, mis teenindavad kindlaid sisenemis- ja väljumistasandeid, millel on inimeste veoks või inimeste ja kaubaveoks kohandatud kabiin, mis on kinnitatud hüdrosilindri külge või riputatud trosside või kettide otsa, ning mis liiguvad juhtrööbaste vahel, mille kalle vertikaali suhtes ei ületa 15°.

Keel en

Asendatud EVS-EN 81-2:1998+A3:2010

**EVS-EN 81-1:1999/A1:2006**

Identne EN 81-1:1998/A1:2005

**Liftide valmistamise ja paigaldamise ohutuseeskirjad. Osa 1: Elektriliiftid**

See standard määrab kindlaks ohutuseeskirjad, mis kehtivad selliste statsionaarselt paigaldatud uute elektriliiftide valmistamise ja paigaldamise kohta, millel on tõmbe- või sundajam, mis teenindavad kindlaid sisenemis- ja väljumistasandeid, millel on inimeste veoks või kauba- ja inimeste veoks kohandatud kabiin, mis on riputatud trosside või kettide otsa, ning mis liiguvad juhtrööbaste vahel, mille kalle vertikaali suhtes ei ületa 15°.

Keel en

Asendatud EVS-EN 81-1:1998+A3:2010

**EVS-EN 81-1:1999/A2:2004**

Identne EN 81-1:1998/A2:2004

**Liftide valmistamise ja paigaldamise ohutuseeskirjad. Osa 1: Elektriliiftid. A2: Masina ja plokiruumid**

See standard määrab kindlaks ohutuseeskirjad, mis kehtivad selliste statsionaarselt paigaldatud uute elektriliiftide valmistamise ja paigaldamise kohta, millel on tõmbe- või sundajam, mis teenindavad kindlaid sisenemis- ja väljumistasandeid, millel on inimeste veoks või kauba- ja inimeste veoks kohandatud kabiin, mis on riputatud trosside või kettide otsa, ning mis liiguvad juhtrööbaste vahel, mille kalle vertikaali suhtes ei ületa 15°.

Keel en

Asendatud EVS-EN 81-1:1998+A3:2010

**EVS-EN 81-2:1999/A2:2004**

Identne EN 81-2:1998/A2:2004

**Liftide valmistamise ja paigaldamise ohutuseeskirjad. Osa 2: Hüdraulilised liiftid**

See standard määrab kindlaks ohutuseeskirjad, mis kehtivad selliste statsionaarselt paigaldatud hüdrauliliste liiftide ehitamise ja paigaldamise kohta, mis teenindavad kindlaid sisenemis- ja väljumistasandeid, millel on inimeste veoks või inimeste ja kaubaveoks kohandatud kabiin, mis on kinnitatud hüdrosilindri külge või riputatud trosside või kettide otsa, ning mis liiguvad juhtrööbaste vahel, mille kalle vertikaali suhtes ei ületa 15°.

Keel en

Asendatud EVS-EN 81-2:1998+A3:2010

**EVS-EN 500-1:2006**

Identne EN 500-1:2006

**Liikuvad tee-ehitusmasinad. Ohutus. Osa 1: Üldnõuded**

This part of EN 500 specifies the common safety requirements for mobile road construction machinery 1). The prEN 500 series is applicable to mobile road construction machinery as listed in Annex A. When no specific standard exists, prEN 500-1 applies.

Keel en

Asendab EVS-EN 500-1:1999

Asendatud EVS-EN 500-1:2006+A1:2010

#### **EVS-EN 1744-1:2002**

Identne EN 1744-1:1998

#### **Täitematerjalide keemiliste omaduste katsetamine.**

##### **Osa 1: Keemiline analüüs**

Käesolev standard määratleb täitematerjalide keemilise analüüsi meetodid. Standard määratleb põhimeetodid ja teatud juhtudel ka samaväärseid tulemusi andvad alternatiivmeetodid. Juhul kui kasutatakse teisi meetodeid, tuleb näidata, et need annavad siintoodud põhimeetodiga samaväärse tulemuse. Märkus. Erimeelsuste korral tuleks kasutada ainult põhimeetodit. Kui pole teisiti määratud, võib käesolevas standardis esitatud meetodeid kasutada tootmiskontrolli eesmärkidel ja kontroll- või tüübikatsetusel.

Keel et

Asendatud EVS-EN 1744-1:2010

#### **EVS-EN 1847:2001**

Identne EN 1847:2001

#### **Flexible sheets for waterproofing - Plastic and rubber sheets for roof waterproofing - Methods for exposure to liquid chemicals, including water**

This standard specifies a method of exposing test specimens of plastic and rubber sheets for roofing, free from all external restraint, to liquid chemicals (including water), and methods for determining the changes in properties resulting from such exposure. Only testing by immersion of the entire surface of the test specimen is considered.

Keel en

Asendatud EVS-EN 1847:2010

#### **EVS-EN 1849-2:2002**

Identne EN 1849-2:2001

#### **Flexible sheets for waterproofing - Determination of thickness and mass per unit area - Part 2: Plastic and rubber sheets for roof waterproofing**

This standard specifies methods for the determination of the thickness and mass per unit area of plastic and rubber sheets for roof waterproofing.

Keel en

Asendatud EVS-EN 1849-2:2010

#### **EVS-EN 1995-1-1/NA:2007**

Identne EN 1995-1-1:2004/NA:2006

#### **Eurokoodeks 5: Puitkonstruktsioonide projekteerimine. Osa 1-1: Üldist. Üldreegliid ja reegliid hoonete projekteerimiseks. Eesti standardi rahvuslik lisa**

Eesti standardi rahvuslik lisa, mis sisaldab Euroopa standardi EN 1995-1-1 rahvuslikult määratud parameetreid ja protseduure, mida tuleb kasutada Eestis ehitatavate hoonete ja rajatiste projekteerimisel.

Keel et

Asendatud EVS-EN 1995-1-1/NA:2007+A1:2008/NA:2009

#### **EVS-EN 1995-1-1:2005+NA:2007**

Identne EN 1995-1-1:2004+AC:2006

ja identne EVS-EN 1995-1-1/NA:2007

#### **Eurokoodeks 5: Puitkonstruktsioonide projekteerimine. Osa 1-1: Üldist. Üldreegliid ja reegliid hoonete projekteerimiseks**

EN 1995 on rakendatav hoonete ja rajatiste puitkonstruktsioonide projekteerimisel (s.h monoliitpuidust, saetud, hõõveldatud või ümarpuidust, liimpuidust või spoonliimpuidust nagu LVL konstruktsioonid), samuti liimi või mehaaniliste sidemetega liidetud puidupõhistest plaatidest konstruktsioonide projekteerimisel. See on vastavuses nende ohutust ja kasutatavust tagavate põhimõtete ja nõuetega ning projekteerimise ja kontrolli alustega, mis on antud standardis EN 1990:2002.

Keel et

Asendatud EVS-EN 1995-1-1:2005+NA:2007+A1:2008+NA:2009

#### **EVS-EN ISO 10426-1:2006**

Identne EN ISO 10426-1:2006

ja identne ISO 10426-1:2005

#### **Nafta ja maagaasitööstused. Tsemendid ja materjalid kaevude tsementeerimiseks. Osa 1: Spetsifikatsioon**

This part of ISO 10426 specifies requirements and gives recommendations for eight classes of well cements, including their chemical and physical requirements and procedures for physical testing. This part of ISO 10426 is applicable to well cement classes A, B, C, D, E and F, which are the products obtained by grinding Portland cement clinker and, if needed, calcium sulfate as an interground additive.

Keel en

Asendab EVS-EN ISO 10426-1:2000; EVS-EN ISO 10426-1:2000/A1:2003

Asendatud EVS-EN ISO 10426-1:2010

#### **KAVANDITE ARVAMUSKÜSITLUS**

#### **EN 13941:2009/FprA1**

Identne EN 13941:2009/FprA1:2010

Tähtaeg 29.04.2010

#### **Eelisolleeritud seotud kaugküttetorustike projekteerimine ja paigaldamine**

This European Standard specifies rules for design, calculation and installation for preinsulated bonded pipe systems for buried hot water distribution and transmission networks (cf. figure 2) with pipe assemblies in accordance with EN 253, for continuous operation with hot water at various temperatures up to 120°C and occasionally with peak temperatures up to 140°C and maximum internal pressure 25 bar (overpressure).

Keel en

### **FprEN 13823**

Identne FprEN 13823:2009

Tähtaeg 29.04.2010

#### **Ehitustoodete tuletundlikkuse katsed. Ehitustoodete, v.a põrandakatted, termiline mõjutamine üksiku põleva objekti poolt**

This European Standard specifies a method of test for determining the reaction to fire performance of construction products excluding floorings, and excluding products which are indicated in Table 1 of the EC Decision 2000/147/EC, when exposed to thermal attack by a single burning item (SBI). The calculation procedures are given in Annex A. Information on the precision of the test method is given in Annex B. The calibration procedures are given in Annexes C and D, of which C is a normative annex.

Keel en

Asendab EVS-EN 13823:2007

### **FprEN 62561-4**

Identne FprEN 62561-4:2009

ja identne IEC 62561-4:200X

Tähtaeg 29.04.2010

#### **Requirements for Lightning Protection System Components (LPSC) - Part 4: Requirements for fasteners**

This International Standard specifies requirements and tests for: – Metallic and non-metallic conductor fasteners that are used in conjunction with the air termination system and down conductors. – Fixing of conductor fasteners to the fabric / membrane / gravel roofing of structures is not covered by this standard due to the vast number and types used in modern day construction. LPC may also be suitable for use in hazardous atmospheres. Regard should then be taken of the extra requirements necessary for the components to be installed in such conditions.

Keel en

Asendab EVS-EN 50164-4:2008

### **prEN 12001**

Identne prEN 12001:2010

Tähtaeg 29.04.2010

#### **Betooni ja mördi vedamise, pritsimise ja laotamise masinad. Ohutusnõuded**

This standard specifies the safety requirements for: - conveying machines; - spraying machines; - placing machines for concrete and mortar or their components. The machinery can be stationary or mobile. This standard covers the machines described in 3.3 to 3.7. This standard does not cover: - machines that are mobile during conveying, spraying and placing; - cabins for any machines covered by this standard; - multi-purpose use, e.g. lifting function or fire-fighting equipment. This standard does not concern the undercarriage of the truck and the engine(s) of the machines that are not driven by the main engine during conveying, spraying and placing. One other possibility is the combination with a truck mixer (see 3.3).

Keel en

Asendab prEN 12001

### **prEN 12201-1**

Identne prEN 12201-1:2010

Tähtaeg 29.04.2010

#### **Plastics piping systems for water supply, and for drainage and sewerage under pressure - Polyethylene (PE) - Part 1: General**

This Part of EN 12201 specifies the general aspects of polyethylene (PE) pressure piping systems (mains and service pipes) for buried or above ground applications, intended for the conveyance of water for human consumption, including raw water prior to treatment, drainage and sewerage under pressure, vacuum sewer systems, and water for other purposes

Keel en

Asendab EVS-EN 12201-1:2003; EVS-EN 13244-1:2003

### **prEN 12201-5**

Identne prEN 12201-5:2010

Tähtaeg 29.04.2010

#### **Plastics piping systems for water supply, and for drainage and sewerage under pressure - Polyethylene (PE) - Part 5: Fitness for purpose of the system**

This Part of EN 12201 specifies the characteristics of the fitness for purpose of the assembled piping systems intended for the conveyance of water intended for human consumption, including raw water prior to treatment, drainage and sewerage under pressure, vacuum sewer systems, and water for other purposes. It also specifies the method of preparation of test piece joints, and the tests to be carried out on these joints for assessing the fitness for purpose of the system under normal and extreme conditions.

Keel en

Asendab EVS-EN 12201-5:2003; EVS-EN 13244-5:2003

### **prEN 15037-5**

Identne prEN 15037-5:2010

Tähtaeg 29.04.2010

#### **Precast concrete products - Beam-and-block floor systems - Part 5: Lightweight blocks for simple formwork**

This European Standard deals with the requirements and the basic performance criteria for blocks made in lightweight materials used as formwork during the construction of the floor system. The blocks are used in conjunction with precast concrete beams in compliance with EN 15037-1, with or without cast-in-situ concrete for the construction of beam-and-block floor systems. This standard doesn't deal with blocks made in polystyrene, with or without tong, or combined with different materials where polystyrene contribute to more than 50 % of the mechanical resistance of the block. These blocks are covered by EN 15037-4, Beam-and-block floor systems – Part 4: Polystyrene blocks. Examples of typology of floor systems are given in Annex B of EN 15037-1.

Keel en

#### **prEN 16034**

Identne prEN 16034:2009

Tähtaeg 29.04.2010

#### **Pedestrian doorsets, industrial, commercial, garage doors and windows - Product standard, performance characteristics - Fire resistance and/or smoke control characteristics**

This European Standard identifies material independent, safety and performance requirements related to fire resistance and / or smoke control characteristics that are applicable to industrial- / commercial- / garage doors (as defined in EN 13241-1), pedestrian doorsets and openable windows (as defined in EN 14351-1 and/or prEN 14351-2).

Keel en

#### **prEN 16035**

Identne prEN 16035:2009

Tähtaeg 29.04.2010

#### **Hardware performance sheet (HPS) - Identification and summary of test evidence to facilitate the interchangeability of building hardware for application to fire resisting and smoke control doorsets and openable windows**

This European Standard summarises the relevant test results and classifications in the format of a hardware performance sheet (HPS). It provides guidance on the minimum information required as the basis for interchangeability of building hardware on fire resisting and/or smoke control doorsets and openable windows. It identifies the performance characteristics and the requirements for building hardware which can be found in the appropriate product standards.

Keel en

#### **prEN ISO 19432**

Identne prEN ISO 19432:2009

ja identne ISO/DIS 19432:2009

Tähtaeg 29.04.2010

#### **Building construction machinery and equipment - Portable, hand-held, internal combustion engine driven cut-off machines - Safety requirements**

This International Standard specifies safety requirements and their verification for the design and construction of portable, hand-held, internal combustion engine driven, cut-off machines, intended to be used by a single operator in the cutting of construction materials, such as asphalt, concrete, stone and metal. It is applicable to those machines designed purposely for use with a rotating, bonded-abrasive and/or super-abrasive (diamond) cut-off wheel having a maximum outer diameter of 406 mm, centre-mounted on, and driven by, a spindle shaft, where the top of the wheel rotates away from the operator (see Figure 1). It deals with all hazards, hazardous situations and events significant to these machines when they are used as intended and under condition of reasonable foreseeable misuse.

Keel en

Asendab prEN ISO 19432

#### **prEVS-IEC 60364-7-710**

ja identne IEC 60364-7-710:2002

Tähtaeg 29.04.2010

#### **Ehitiste elektripaigaldised. Osa 7-710: Nõuded eripaigaldistele ja -paikadele. Raviruumid**

Standardisarja IEC 60364 käesoleva osa täpsustavate nõuded on kehtestatud raviruumide elektripaigaldistele, tagamaks patsientide ja meditsiinipersonali ohutust. Toodud nõuded käivad eelkõige haiglate, erakliinikute, üld- ja hambaravi ruumide, tervishoiu keskuste ja meditsiiniliseks otstarbeks kohandatud ruumide kohta asutustes.

**MÄRKUS 1** Kui olemasolev ruum muudetakse raviotstarbeliseks, siis võib tekkida vajadus kohandada elektripaigaldis vastavaks käesolevale standardile. Kui olemasolevas paigaldises kavatakse sooritada südamelähedasi protseduure, tuleb kohandamisele pöörata erilist tähelepanu.

**MÄRKUS 2** Käesolevat standardit tuleb rakendada ka veterinaarkliinikutele, kus võimalik. Standardisarja käesolevat osa ei kohaldata meditsiinilistele elektriseadmetele.

**MÄRKUS 3** Meditsiiniliste elektriseadmete kohta käib standardiseeriya IEC 60601.

Keel en

Asendatud FprHD 60364-7-710

## **93 RAJATISED**

### **UUED STANDARDID JA PUBLIKATSIOONID**

#### **EVS-EN 500-1:2006+A1:2010**

Hind 256,00

Identne EN 500-1:2006+A1:2009

#### **Liikuvad tee-ehitusmasinad. Ohutus. Osa 1: Üldnõuded**

1.1 This part of EN 500 specifies the common safety requirements for mobile road construction machinery<sup>1)</sup>. The EN 500 series is applicable to mobile road construction machinery as listed in Annex A. When no specific standard exists, EN 500-1 applies. It specifies common requirements for the design and construction of mobile road construction machinery in order to protect workers from accidents and health hazards which could occur during operation, loading, transport and maintenance. Additional specific requirements for certain types of mobile road construction machinery are given in parts 2 to 4 and 6 of this standard. This part of this standard gives safety requirements for all types of mobile road construction machinery and shall be used in conjunction with one of the parts 2 to 4 and 6. These machine-specific parts do not repeat the requirements from part 1 but add to or replace the requirements for the type of mobile road construction machinery in question. Machine-specific requirements in parts 2 to 4 and 6 take precedence over the respective requirements of this standard. For types of mobile road construction machinery not dealt with in parts 2 to 4 and 6, EN 500-1 applies and if for those machinery additional derived risks may arise, these risks have to be taken into consideration".

Keel en

Asendab EVS-EN 500-1:2006

**EVS-EN 1993-1-11/NA:2010**

Hind 105,00

**Eurokoodeks 3: Teraskonstruksioonide projekteerimine. Osa 1-11: Tõmbele töötavate elementidega konstruksioonide projekteerimine. Eesti standardi rahvuslik lisa**

Standardis EN 1993-1-11 antakse projekteerimisjuhiseid terasest reguleeritavate ja vahetatavate tõmbelementidega konstruksioonidele.

Keel et

**EVS-EN 1993-1-11:2006+NA:2010**

Hind 243,00

Identne EN 1993-1-11:2006+AC:2009

ja identne EVS-EN 1993-1-11/NA:2010

**Eurokoodeks 3: Teraskonstruksioonide projekteerimine. Osa 1-11: Tõmbele töötavate elementidega konstruksioonide projekteerimine**

Standardis EN 1993-1-11 antakse projekteerimisjuhiseid terasest reguleeritavate ja vahetatavate tõmbelementidega konstruksioonidele.

Keel et

**EVS-EN 1998-2:2006/AC:2010**

Hind 0,00

Identne EN 1998-2:2005/AC:2010

**Eurokoodeks 8: Maavärinat taluvate konstruksioonide projekteerimine. Osa 2: Sillad**

Keel en

**EVS-EN 14033-3:2010**

Hind 243,00

Identne EN 14033-3:2009

**Raudteelased rakendused. Rööbastee. Raudteeveeremi ja hooldusmasinate konstruksioon. Osa 3: Üldised ohutusnõuded**

This European Standard specifies the significant hazards, hazardous situations and events, common to rail bound machines and arising due to the adaptation for their use on railways. These machines are intended for construction, maintenance and inspection of track, structures, infrastructure and fixed electric traction equipment, when they are used as intended and under conditions of misuse which are reasonably foreseeable by the manufacturer, see Clause 4. This European Standard applies to railbound machines and other vehicles - referred to as machines - working exclusively on the railway (utilising friction adhesion between the rail and rail wheels) but including machines that in working position are partly supported on the ballast or the formation and used for construction, maintenance and inspection of track, structures, infrastructure and fixed electric traction equipment. This European Standard applies to machines that are intended to operate signalling and control systems. Other similar machines are dealt with in other European Standards, see Annex D.

Keel en

**EVS-EN ISO 1452-1:2010**

Hind 124,00

Identne EN ISO 1452-1:2009

ja identne ISO 1452-1:2009

**Plastics piping systems for water supply and for buried and above-ground drainage and sewerage under pressure - Unplasticized poly(vinyl chloride) (PVC-U) - Part 1: General**

This part of ISO 1452 specifies the general aspects of unplasticized poly(vinyl chloride) (PVC-U) solid-wall piping systems intended for water supply and for buried and above-ground drainage and sewerage under pressure. In conjunction with ISO 1452-2, ISO 1452-3, ISO 1452-4 and ISO 1452-5, it is applicable to PVC-U pipes, fittings, valves and ancillary equipment, their joints and to joints with components of other plastics and non-plastics materials intended to be used for the following: a) water mains and services buried in the ground; b) conveyance of water above ground for both outside and inside buildings; c) buried and above-ground drainage and sewerage under pressure. It is applicable to piping systems intended for the supply of water under pressure up to and including 25 °C (cold water), intended for human consumption and for general purposes as well as for waste water under pressure. This part of ISO 1452 is also applicable to components for the conveyance of water and waste water up to and including 45 °C. For temperatures between 25 °C and 45 °C, Figure A.1 of ISO 1452-2:2009 applies.

Keel en

Asendab EVS-EN 1452-1:1999; EVS-EN 1456-1:2002

**EVS-EN ISO 1452-2:2010**

Hind 178,00

Identne EN ISO 1452-2:2009

ja identne ISO 1452-2:2009

**Plastics piping systems for water supply and for buried and above-ground drainage and sewerage under pressure - Unplasticized poly(vinyl chloride) (PVC-U) - Part 2: Pipes**

This part of ISO 1452 specifies the characteristics of solid-wall pipes made from unplasticized poly(vinyl chloride) (PVC-U) for piping systems intended for water supply and for buried and above-ground drainage and sewerage under pressure. It also specifies the test parameters for the test methods referred to in this part of ISO 1452. In conjunction with ISO 1452-1 and ISO 1452-5, it is applicable to extruded PVC-U pipes without a socket and pipes with a socket (integral or not), intended to be used for the following: a) water mains and services buried in the ground; b) conveyance of water above ground for both outside and inside buildings; c) buried and above-ground drainage and sewerage under pressure. It is applicable to piping systems intended for the supply of water under pressure up to and including 25 °C (cold water) intended for human consumption and for general purposes as well as for waste water under pressure. This part of ISO 1452 specifies pipes for the conveyance of water and waste water up to and including 45 °C. For temperatures between 25 °C and 45 °C, Figure A.1 applies.

Keel en

Asendab EVS-EN 1456-1:2002; EVS-EN 1452-2:2000

**EVS-EN ISO 1452-3:2010**

Hind 219,00

Identne EN ISO 1452-3:2009

ja identne ISO 1452-3:2009

**Plastics piping systems for water supply and for buried and above-ground drainage and sewerage under pressure - Unplasticized poly(vinyl chloride) (PVC-U) - Part 3: Fittings**

This part of ISO 1452 specifies the characteristics of fittings made from unplasticized poly(vinyl chloride) (PVC-U) for piping systems intended for water supply and for buried and above-ground drainage and sewerage under pressure. It also specifies the test parameters for the test methods referred to in this part of ISO 1452. In conjunction with ISO 1452-1, ISO 1452-2 and ISO 1452-5, it is applicable to PVC-U fittings and to joints with components of PVC-U, other plastics and non-plastics materials intended to be used for the following: a) water mains and services buried in the ground; b) conveyance of water above ground for both outside and inside buildings; c) buried and above-ground drainage and sewerage under pressure. It is applicable to fittings in piping systems intended for the supply of water under pressure up to and including 25 °C (cold water), intended for human consumption and for general purposes as well as for waste water under pressure. This part of ISO 1452 is also applicable to components for the conveyance of water and waste water up to and including 45 °C. For temperatures between 25 °C and 45 °C, Figure A.1 of ISO 1452-2:2009 applies.

Keel en

Asendab EVS-EN 1452-1:1999; EVS-EN 1452-3:1999

**EVS-EN ISO 1452-4:2010**

Hind 124,00

Identne EN ISO 1452-4:2009

ja identne ISO 1452-4:2009

**Plastics piping systems for water supply and for buried and above-ground drainage and sewerage under pressure - Unplasticized poly(vinyl chloride) (PVC-U) - Part 4: Valves**

This part of ISO 1452 specifies the characteristics of valves made from unplasticized poly(vinyl chloride) (PVC-U) for piping systems intended for water supply and for buried and above-ground drainage and sewerage under pressure. It also specifies the test parameters for the test methods referred to in this part of ISO 1452. In conjunction with ISO 1452-1, ISO 1452-2, ISO 1452-3 and ISO 1452-5 it is applicable to PVC-U valves with components of PVC-U, other plastics and non-plastics materials intended to be used for the following: a) water mains and services buried in ground; b) conveyance of water above ground for both outside and inside buildings; c) buried and above-ground drainage and sewerage under pressure. It is applicable to valves in piping systems intended for the supply of water under pressure up to and including 25 °C (cold water) intended for human consumption and for general purposes as well as for waste water under pressure. This part of ISO 1452 is also applicable to valves for the conveyance of water and waste water up to and including 45 °C. For temperatures between 25 °C and 45 °C, Figure A.1 of ISO 1452-2:2009 applies.

Keel en

Asendab EVS-EN 1456-1:2002; EVS-EN 1452-4:1999

**EVS-EN ISO 1452-5:2010**

Hind 135,00

Identne EN ISO 1452-5

ja identne ISO 1452-5:2009

**Plastics piping systems for water supply and for buried and above-ground drainage and sewerage under pressure - Unplasticized poly(vinyl chloride) (PVC-U) - Part 5: Fitness for purpose of the system**

This part of ISO 1452 specifies the characteristics for the fitness for purpose of unplasticized poly(vinyl chloride) (PVC-U) piping systems intended for water supply and for buried and above-ground drainage and sewerage under pressure. It also specifies the test parameters for the test methods referred to in this part of ISO 1452. In conjunction with ISO 1452-1, ISO 1452-2, ISO 1452-3 and ISO 1452-4, it is applicable to joints and assemblies with components of PVC-U, other plastics and non-plastics materials intended to be used for the following: a) water mains and services buried in ground; b) conveyance of water above ground for both outside and inside buildings; c) buried and above-ground drainage and sewerage under pressure; It is applicable to piping systems intended for the supply of water under pressure up to and including 25 °C (cold water) intended for human consumption and for general purposes as well as for waste water under pressure. This part of ISO 1452 is also applicable to components for the conveyance of water and waste water up to and including 45 °C. For temperatures between 25 °C and 45 °C, Figure A.1 of ISO 1452-2:2009 applies.

Keel en

Asendab EVS-EN 1456-1:2002; EVS-EN 1452-5:2000

**EVS-EN ISO 13473-5:2010**

Hind 198,00

Identne EN ISO 13473-5:2009

ja identne ISO 13473-5:2009

**Characterization of pavement texture by use of surface profiles - Part 5: Determination of megatexture**

This part of ISO 13473 specifies procedures for determining the average depth or level of pavement surface megatexture by measuring the profile curve of a surface and calculating megatexture descriptors from this profile. The technique is designed to give meaningful and accurate measurements and descriptions of pavement megatexture characteristics for various purposes. Since there is an overlap between megatexture and the surrounding ranges, the megatexture descriptors unavoidably have a certain correlation with corresponding measures in those ranges. This part of ISO 13473 specifies measurements and procedures which are in relevant parts compatible with those in ISO 13473-1, ISO 8608[1] and EN 13036-5[6].

Keel en

**EVS-EN ISO 22391-1:2010**

Hind 114,00

Identne EN ISO 22391-1:2009

ja identne ISO 22391-1:2009

**Plastics piping systems for hot and cold water installations - Polyethylene of raised temperature resistance (PE-RT) - Part 1: General**

This part of ISO 22391 specifies the general characteristics of piping systems made of polyethylene of raised temperature resistance (PE-RT), Type I, and polyethylene of raised temperature resistance (PE-RT), Type II, intended to be used for hot and cold water installations within buildings for the conveyance of water, whether or not the water is intended for human consumption (domestic systems) and for heating systems, under specified design pressures and temperatures appropriate to the class of application. This part of ISO 22391 covers a range of service conditions (classes of application), design pressures and pipe dimension classes, and also specifies test parameters and defines terms. In conjunction with the other parts of ISO 22391, it is applicable to PE-RT pipes, fittings, their joints and to joints having components of PE-RT, as well as of other plastics and non-plastics materials, respectively, used for hot and cold water installations. It is not applicable to values of design temperature, maximum design temperature or malfunction temperature in excess of those it specifies.

Keel en

**EVS-EN ISO 22391-2:2010**

Hind 145,00

Identne EN ISO 22391-2:2009

ja identne ISO 22391-2:2009

**Plastics piping systems for hot and cold water installations - Polyethylene of raised temperature resistance (PE-RT) - Part 2: Pipes**

This part of ISO 22391 specifies the characteristics of pipe made of - polyethylene of raised temperature resistance (PE-RT), Type I, and - polyethylene of raised temperature resistance (PE-RT), Type II, intended to be used for hot and cold water installations within buildings for the conveyance of water, whether or not the water is intended for human consumption (domestic systems) and for heating systems, under the design pressures and temperatures appropriate to the class of application according to ISO 22391-1. This part of ISO 22391 covers a range of service conditions (classes of application), design pressures and pipe dimension classes, and also specifies test parameters and test methods. In conjunction with the other parts of ISO 22391, it is applicable to PE-RT pipes, fittings, their joints, and to joints having components of PE-RT, as well as of other plastics and non-plastics materials, respectively, used for hot and cold water installations. It is applicable to pipes with or without a barrier layer or layers. It is not applicable to values of design temperature, maximum design temperature or malfunction temperature in excess of those specified in ISO 22391-1.

Keel en

**EVS-EN ISO 22391-3:2010**

Hind 145,00

Identne EN ISO 22391-3:2009

ja identne ISO 22391-3:2009

**Plastics piping systems for hot and cold water installations - Polyethylene of raised temperature resistance (PE-RT) - Part 3: Fittings**

This part of ISO 22391 specifies the characteristics of fittings for piping systems made of polyethylene of raised temperature resistance (PE-RT), Type I, and polyethylene of raised temperature resistance (PE-RT), Type II, intended to be used for hot and cold water installations within buildings for the conveyance of water, whether or not the water is intended for human consumption (domestic systems) and for heating systems, under the design pressures and temperatures appropriate to the class of application according to ISO 22391-1. This part of ISO 22391 covers a range of service conditions (classes of application), design pressures and pipe dimension classes, and also specifies test parameters and test methods. In conjunction with the other parts of ISO 22391, it is applicable to fittings made of PE-RT, as well as to those made of other materials, intended to be fitted to pipes conforming to ISO 22391-2 for hot and cold water installations, the joints of which are in accordance with ISO 22391-5. This part of ISO 22391 is applicable to the following types of fitting: - mechanical fittings; - socket fusion fitting; - electrofusion fittings; - fittings with incorporated inserts. It is not applicable to values of design temperature, maximum design temperature or malfunction temperature in excess of those specified in ISO 22391-1.

Keel en

**EVS-EN ISO 22391-5:2010**

Hind 114,00

Identne EN ISO 22391-5:2009

ja identne ISO 22391-5:2009

**Plastics piping systems for hot and cold water installations - Polyethylene of raised temperature resistance (PE-RT) - Part 5: Fitness for purpose of the system**

This part of ISO 22391 specifies the characteristics of the fitness for purpose of piping systems made of - polyethylene of raised temperature resistance (PE-RT), Type I, and - polyethylene of raised temperature resistance (PE-RT), Type II, intended to be used for hot and cold water installations within buildings for the conveyance of water, whether or not the water is intended for human consumption (domestic systems) and for heating systems, under the design pressures and temperatures appropriate to the class of application according to ISO 22391-1. This part of ISO 22391 covers a range of service conditions (classes of application), design pressures and pipe dimension classes, and also specifies test parameters and test methods. In conjunction with the other parts of ISO 22391, it is applicable to PE-RT pipes, fittings, their joints, and to joints having components of PE-RT as well as of other plastics and non-plastics materials, respectively, used for hot and cold water installations. It is not applicable to values of design temperature, maximum design temperature or malfunction temperature in excess of those specified in ISO 22391-1.

Keel en



## ASENDATUD VÕI TÜHISTATUD STANDARDID

### **EVS 1995-2:2003**

ja identne EVS 1995-2:2003

#### **Puitkonstruktsioonid. Osa 2: Puitsillad**

Käesolev standard käsitleb sildade põhikonstruktsioonide projekteerimist, mis on tehtud puidust ja teistest puidul põhinevatest materjalidest, monoliitsena või betooni, terase või muu materjali komposiitkonstruktsioonina kasutamisel.

Keel et

Asendatud EVS-EN 1995-2:2005; EVS-EN 1995-2:2005+NA:2007; EVS-EN 1995-2/NA:2007

### **EVS-EN 1456-1:2002**

Identne EN 1456-1:2001

#### **Plastics piping systems for buried and above-ground drainage and sewerage under pressure - Unplasticized poly(vinyl chloride) (PVC-U) - Part 1: Specifications for piping components and the system**

This European Standard specifies requirements for unplasticized poly(vinyl chloride) (PVC-U) piping systems in the field of buried and above-ground drainage and sewerage under pressure.

Keel en

Asendatud EVS-EN ISO 1452-1:2010; EVS-EN ISO 1452-2:2010; EVS-EN ISO 1452-4:2010; EVS-EN ISO 1452-5:2010

## KAVANDITE ARVAMUSKÜSITLUS

### **EN 13674-2:2006/FprA1**

Identne EN 13674-2:2006/FprA1:2010

Tähtaeg 29.04.2010

#### **Raudteealased rakendused. Rööbastee. Rööbas. Osa 2: Pöörangute ja ristumiste liikuvad ja ristuvad rööpad ühenduses Vignole'i raudteerööbaste lineaarmassiga 46 kg/m ja üle selle**

This part of EN 13674 specifies switch and crossing rails that carry railway wheels. These are used in conjunction with Vignole railway rails. This part of this standard is not applicable for the check rails that do not carry railway wheels.

Keel en

### **EN 13674-3:2006/FprA1**

Identne EN 13674-3:2006/FprA1:2010

Tähtaeg 29.04.2010

#### **Raudteealased rakendused. Rööbastee. Rööbas. Osa 3: Juhtrööbas**

This European Standard specifies check rail profiles which have been designed for this purpose. It does not cover guard rails which are to protect vehicle, bridge, viaduct and other structures in the event of a derailment. Three grades of steel and five rail profiles are specified.

Keel en

### **EN 14730-1:2006/FprA1**

Identne EN 14730-1:2006/FprA1:2010

Tähtaeg 29.04.2010

#### **Railway applications - Track - Aluminothermic welding of rails - Part 1: Approval of welding processes**

This standard defines the laboratory tests and requirements for approval of an aluminothermic welding process using welds produced in workshop conditions. It applies to the joining of new, Vignole rails as described in EN 13674-1 of the same profile and steel grade. Compliance with the requirements of this standard does not of itself ensure the suitability of a welding process for specific conditions of track and traffic. The standard does not cover welds made between different rail sections, differently worn rails and different rail grades. In addition to the definitive requirements this standard also requires the items detailed in Clause 4 to be documented. For compliance with this standard, it is important that both the definitive requirements and the documented items be satisfied.

Keel en

### **prEN ISO 22477-5**

Identne prEN ISO 22477-5:2009

ja identne ISO/DIS 22477-5:2009

Tähtaeg 29.04.2010

#### **Geotechnical investigation and testing - Testing of geotechnical structures - Part 5: Testing of anchorages**

(1) This Standard establishes specifications for the execution of tension load tests where an anchor grouted in the ground, as defined in EN 1997-1, is loaded by step (method 3) or in incremental cycles (methods 1 and 2) from a datum load to a maximum test load. The displacement of the anchor head is measured over a period of time at each step (method 3) or at maximum load in each incremental cycle (method 1). The loss of load is measured over a period of time, at maximum load after lock off, in each incremental cycle (method 2).

Keel en

## **97 OLME. MEELELAHUTUS. SPORT**

### UUED STANDARDID JA PUBLIKATSIOONID

#### **EVS-EN 621:2010**

Hind 336,00

Identne EN 621:2009

#### **Väljaspool kodumajapidamist kasutatavad gaasiküttel sundkonvektsiooniga otsepõlemis-õhusoojendid ruumide soojendamiseks, soojuse netosisendväärtusega alla 300 kW, ilma põlemisõhku ja/või põlemisjääke teisaldava ventilaatorita**

This European Standard specifies the requirements and test methods for the safety and efficiency of non-domestic gas-fired air heaters not exceeding a net heat input of 300 kW with (an) atmospheric burner(s) and without a fan to assist the transportation of combustion air and/or flue gases, hereafter referred to as "appliances". This European Standard applies to Type B11, B41, C11 and C31 appliances intended for use in other than single unit residential dwellings. Provision of the heated air may be by means of ducting or may be directly into the heated space.

Keel en

Asendab EVS-EN 621:1999

**EVS-EN 1319:2010**

Hind 377,00

Identne EN 1319:2009

**Kodumajapidamises kasutatavad gaasiküttesüsteemide ohusoojendid sisendvõimsusega mitte üle 70 kW**

This European Standard specifies the requirements and test methods for the safety and efficiency of domestic gas-fired air heaters with a fan to assist the transportation of combustion air and/or combustion products, hereafter referred to as appliances. This European Standard applies to Type B12, B12AS, B12BS, B13, B13AS, B13BS, B14, B14AS, B14BS, B22, B23, B42, B42AS, B42BS, B43, B43AS, B43BS, B44, B44AS, B44BS, B52, B53, C12, C13, C32, C33, C62 and C63 appliances with an input not exceeding 70 kW (net cv basis), intended primarily for use in single unit residential dwellings. Provision of the heated air may be by means of ducting.

Keel en

Asendab EVS-EN 1319:1999; EVS-EN 1319:1999/A1:2002

**EVS-EN 15649-4:2010**

Hind 198,00

Identne EN 15649-4:2010

**Ujuvahendid vaba aja veetmiseks vee peal ja vees.****Osa 4: Täiendavad ohutusnõuded ja katsemeetodid B-klassi seadmetele**

This European Standard specifies safety requirements and test methods related to materials, safety, performance and consumer information for classified floating leisure articles for use on and in the water according to EN 15649-1. This document is applicable with EN 15649-1 and EN 15649-2. This European Standard is applicable for Class B floating leisure articles for use on and in the water according to EN 15649-1 regardless whether the buoyancy is achieved by inflation or inherent buoyant material. Class B devices provide a buoyant structure with one or more body openings into which the user is positioned partly immersed.

Keel en

**EVS-EN 60335-2-30:2010**

Hind 209,00

Identne EN 60335-2-30:2009

ja identne IEC 60335-2-30:2009

**Majapidamis- ja muud taolised elektriseadmed.****Ohutus. Osa 2-30: Erinõuded ruumikütteseadmetele**

This International Standard deals with the safety of electric room heaters for household and similar purposes, their rated voltage being not more than 250 V for single-phase appliances and 480 V for other appliances. NOTE 101 Examples of appliances that are within the scope of this standard are - convective heaters; - fan heaters; - heaters for use in greenhouses; - liquid-filled radiators; - panel heaters; - radiant heaters; - tubular heaters; - ceiling mounted heat lamp appliances. For extraction fans of ceiling mounted heat lamp appliances, IEC 60335-2-80 is applicable as far as is reasonable.

Keel en

Asendab EVS-EN 60335-2-30:2003; EVS-EN 60335-2-30:2003/A1:2005; EVS-EN 60335-2-30:2003/A2:2007

**EVS-EN 60335-2-59:2003/A2:2010**

Hind 80,00

Identne EN 60335-2-59:2003/A2:2009

ja identne IEC 60335-2-59:2002/A2:2009

**Majapidamis- ja muud taolised elektriseadmed.****Ohutus. Osa 2-59: Erinõuded putukasurmajatele**

This standard deals with the safety of electric insect killers for household and similar purposes, their rated voltage being not more than 250V. So far as is practical, this standard deals with the common hazards presented by appliances which are encountered by all persons in and around the home.

Keel en

**EVS-EN 60335-2-74:2003/A2:2010**

Hind 80,00

Identne EN 60335-2-74:2003/A2:2009

ja identne IEC 60335-2-74:2002/A2:2009

**Majapidamis- ja muud taolised elektriseadmed.****Ohutus. Osa 2-74: Erinõuded kaasaskantavatele sukelduskuumutitele**

Deals with the safety of portable electric immersion heaters, their rated voltage being not more than 250 V, for household and similar purposes. Also includes appliances intended for use by laymen in shops, in light industry and on farms

Keel en

**ASENDATUD VÕI TÜHISTATUD STANDARDID****EVS-EN 621:1999**

Identne EN 621:1998

**Väljaspool kodumajapidamist kasutatavad gaasiküttesüsteemide ohusoojendid ruumide soojendamiseks, soojuste netosisendväärtusega alla 300 kW, ilma põlemisõhku ja/või põlemisjääke teiseldata ventilatorita**

See Euroopa standard määrab kindlaks ohutus- ja efektiivsusnõuded ning katsetusmeetodid väljaspool kodumajapidamist kasutatavate gaasiküttesüsteemide ohusoojendite jaoks soojuste netosisendväärtusega alla 300 kW. Nendel ohusoojenditel on atmosfääriõhul töötavad põletid ning puudub ventilator, mis aitaks teiseldata põlemisõhku ja/või põlemise jääkgaase. See Euroopa standard kehtib B11, C11 ja C31 tüüpi seadmete kohta, mida ei kasutata omaette üksuse moodustavates elamutes.

Keel en

Asendatud EVS-EN 621:2010

**EVS-EN 1319:1999**

Identne EN 1319:1998+A2:1999

**Kodumajapidamises kasutatavad gaasiküttesüsteemide ohusoojendid sisendvõimsusega mitte üle 70 kW**

This standard specifies the requirements and test methods for the safety and efficiency of domestic gas-fired air heaters with a fan to assist the transportation of combustion air and/or combustion products.

Keel en

## **EVS-EN 1319:1999/A1:2002**

Identne EN 1319:1998/A1:2001

### **Kodumajapidamises kasutatavad gaasikütetel õhusoojendid sisendvõimsusega mitte üle 70 kW. MUUDATUS**

This standard specifies the requirements and test methods for the safety and efficiency of domestic gas-fired air heaters with a fan to assist the transportation of combustion air and/or combustion products.

Keel en

Asendatud EVS-EN 1319:2010

## **EVS-EN 60335-2-30:2003**

Identne EN 60335-2-30:2003

ja identne IEC 60335-2-30:2002

### **Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-30: Erinõuded ruumikütteseadmetele**

Applicable to the safety of electric room heaters, their rated voltage being not more than 250 V for single phase and 480 V for other appliances, for household and similar purposes. Appliances intended to be used by laymen in shops, in light industry and on farms, are also within the scope of this standard

Keel en

Asendab EVS-EN 60335-2-30:2001

Asendatud EVS-EN 60335-2-30:2010

## **EVS-EN 60335-2-30:2003/A1:2005**

Identne EN 60335-2-30:2003/A1:2004

ja identne IEC 60335-2-30:2002/A1:2004

### **Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-30: Erinõuded ruumikütteseadmetele**

Applicable to the safety of electric room heaters, their rated voltage being not more than 250 V for single phase and 480 V for other appliances, for household and similar purposes. Appliances intended to be used by laymen in shops, in light industry and on farms, are also within the scope of this standard

Keel en

Asendatud EVS-EN 60335-2-30:2010

## **EVS-EN 60335-2-30:2003/A2:2007**

Identne EN 60335-2-30:2003/A2:2007

ja identne IEC 60335-2-30:2002/A2:2007

### **Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-30: Erinõuded ruumikütteseadmetele**

Applicable to the safety of electric room heaters, their rated voltage being not more than 250 V for single phase and 480 V for other appliances, for household and similar purposes. Appliances intended to be used by laymen in shops, in light industry and on farms, are also within the scope of this standard

Keel en

Asendatud EVS-EN 60335-2-30:2010

## **KAVANDITE ARVAMUSKÜSITLUS**

### **FprEN 60312-2**

Identne FprEN 60312-2:2009

ja identne IEC 60312-2:200X

Tähtaeg 29.04.2010

### **Vacuum cleaners for household use - Wet vacuum cleaner - Methods for measuring the performance**

This International Standard is applicable to wet cleaning appliances for household use in or under conditions similar to those in households. The purpose of this standard is to specify essential performance characteristics of wet cleaning appliances being of interest to the users and to describe methods for measuring these characteristics and is complementary to the methods for dry cleaning vacuum cleaner in IEC 60312-1.

Keel en

Asendab EVS-EN 60312:2008

### **FprEN 60335-2-39**

Identne FprEN 60335-2-39:2009

ja identne IEC 60335-2-39:200X

Tähtaeg 29.04.2010

### **Majapidamis- ja muud taolised elektriseadmed.**

#### **Ohutus. Osa 2-39: Erinõuded kaubanduslikele mitmeotstarbelistele elektrikeedupottidele**

This International Standard deals with the safety of electrically operated commercial multi-purpose cooking pans not intended for household use, their rated voltage being not more than 250 V for single-phase appliances connected between one phase and neutral and 480 V for other appliances. This standard also deals with pressurized appliances and appliances with pressurized parts.

Keel en

Asendab EVS-EN 60335-2-39:2003

### **prEN 131-3**

Identne prEN 131-3:2009

Tähtaeg 29.04.2010

#### **Ladders - Part 3: Safety instructions and user information**

This European Standard gives safety instructions and user information for the safe use of ladders covered by the scope of EN 131-1 and fulfilling the requirements of EN 131-1, EN 131-2 and, for single or multiple hinged-joint ladders, EN 131-4 used as standing or leaning ladders.

Keel en

Asendab EVS-EN 131-3:2007

### **prEN ISO 5912**

Identne prEN ISO 5912:2010

ja identne ISO/DIS 5912:2010

Tähtaeg 29.04.2010

### **Camping tents**

This International Standard specifies the requirements on safety, performance and fitness for use of camping tents (called "tents" throughout the text). This International standard does not specify a general minimum requirement concerning flame retardant fabrics for camping tents. It applies to lightweight and camping tents for camping and outdoor purposes.

Keel en

Asendab EVS-EN ISO 5912:2005

## **VEEBRUARIKUUS LAEKUNUD ALGUPÄRASE EESTI STANDARDI KOOSTAMISETTEPANEKUD**

Alljärgnevalt on toodud teave möödunud kuu jooksul Standardikeskusele esitatud algupärase standardi koostamis-, muutmis- ja uustöötlustepanekute kohta, millega algatatakse Eesti standardi koostamisprotsess:

### **Kvaliteedijuhtimissüsteemid- Juhised standardi ISO 9001:2008 rakendamiseks kohalikus omavalitsuses.**

#### **(EVS 903:2008 uustöötlus)**

Standardi eesmärgiks on sisse seada juhised, mis aitaksid kohalikel omavalitsustel mõista ja juurutada kvaliteedijuhtimissüsteemi, mis vastaks ISO 9001:2008 nõuetele, et vastata oma kodanike nõudmistele ja ootustele. Need juhised ei lisa, muuda ega teisenda ISO 9001:2008 nõudeid.

Et kohalikku omavalitsust peetaks usaldusväärseks, peaks ta garanteerima kodanikele vajalike teenuste järjekindlaks ja usaldusväärseks pakkumiseks vajalike protsesside usaldusväärse minimaalsed tingimused. Kõik kohaliku omavalitsuse protsessid, sh juhtimine, põhi, toimimis- ja tugiprotsessid (vt 3.6) peaksid moodustama ühe tervikliku kvaliteedijuhtimissüsteemi. Selle süsteemi terviklik iseloom on oluline seetõttu, et vastasel korral võib juhtuda, et kuigi kohalik omavalitsus võib olla usaldusväärne mõnes tegevusvaldkonnas, võib ta teistes osutada ebausaldusväärseks. Et kohalikku omavalitsust peetaks usaldusväärseks, peaks ta garanteerima kõikidele võtmeprotsessidele ja teenustele usaldusväärse minimaalsete tingimuste olemasolu. Selle saavutamiseks on soovitatav, et kohalik omavalitsus määraks üheselt kindlaks juhtimise, põhi- ja tugiprotsessid, mis koos muudavad organisatsiooni usaldusväärseks (vt lisa A). Lisa B annab kohalikele omavalitsustele diagnostilise vahendi oma protsesside ja teenuste küpsuse ulatuse hindamiseks.

**MÄRKUS** Kohalikes omavalitsustes, mille käsitlusala ja funktsioonid ei kohaldu lisa B esitatud indikaatoriga võivad seda kasutada nende diagnostilise süsteemi jaoks. See võib sisaldada ka indikaatoreid, mis kohalduvad tema käsitlusala ja funktsioonidega.

### **Kauba ja materjali massi mõõtmine kaalumise ja mõõtemetoodika**

#### **(EVS 745:1998 uustöötlus)**

Standard käsitleb kauba ja materjalide massi mõõtmist kaalude abil ning saadud mõõdistest mõõtetulemuse ja selle määramatuse arvutamist.

### **Tükikauba koguse mõõtmine. Mõõtemetoodika**

#### **(EVS 746:1998 uustöötlus)**

Standard käsitleb kauba koguse mõõtmist tükikauba loendamise teel ning kaubapartii kogu massi või mahu arvutamist kauba dokumentides toodud tükikauba massi või mahu väärtuse põhjal. Antakse juhised saadud tulemusele mõõtemääramatuse leidmiseks.

### **Vara hindamine. Osa 12: Hindamised sundvõõrandamisel**

#### **(prEVS 875-12)**

Standardi eesmärgiks on käsitleda õigusaktidega reguleeritud protsessi, kus avalikes huvides toimub vara ostmine või sundvõõrandamine. Standard annab selgitused, kuidas hindajad peavad töötama nendes olukordades väärtuse leidmisel.

### **Vara hindamine. Osa 1: Hindamise üldised alused**

#### **(EVS 875-1:2005 uustöötlus)**

Standardi objektiks on vara hindamine. Standardi kasutusala on varade hindamisega ja hinnangute kasutamise seotud tegevused, eelkõige laenuagatiste ja finantsaruandlusega seotud tegevused. Standardi kasutajateks on varade hindajad, kinnisvara spetsialistid, ehitusspetsialistid, keskkonnaspetsialistid, finantsaruandlusega tegelevad spetsialistid (raamatupidajad, audiitorid), krediidiuasutused, kõrgemad õppeasutused. Standardi olemasolu loob aluse vara hindamise ühtsele käsitlusele rahuldades nii era- kui avaliku sektori vajadusi.

**Vara hindamine. Osa 2: Varade liigid  
(EVS 875-2:2005 uustöötlus)**

Standardi objektiks on hinnatavate varade liikide määratlemine.

**Vara hindamine. Osa 3: Väärtuse liigid  
(EVS 875-3:2005 uustöötlus)**

Standardi objektiks on hinnatavate väärtuse liikide määratlemine.

**Vara hindamine. Osa 4: Hindamise head tavad ja hindamistulemuste esitamine  
(EVS 875-4:2005 uustöötlus)**

Standardi objektiks on hindamise heade tavade ja hindamistulemustele esitatavate nõuete määratlemine.

**Vara hindamine. Osa 5: Hindamine finantsaruandluse eesmärgil  
(EVS 875-5:2005 uustöötlus)**

Standardi objektiks on vara hindamine finantsaruandluse eesmärgil.

**Kinnisvara korrashoiu hankedokumendid  
(projekt 95634)**

Kinnisvara korrashoiu teenuste tellimine.

**Eesti Ratsarajad.  
(projekt 95635)**

Standardi eesmärk on ratsaradade koostamise põhimõtted kontsentreeruda ning ühtlustada. Standard määratleb ratsaradade projekti nõuded ja sisu.

Rohkem teavet Teile huvipakkuvate standardiprojektide kohta on võimalik saada Standardikeskuse veebilehe ([www.evs.ee](http://www.evs.ee)) rubriigist: „Koostamisetpanekud“ ja Standardiosakonnast ([standardiosakond@evs.ee](mailto:standardiosakond@evs.ee)).

## **VEEBRUARIKUUS KINNITATUD JA MÄRTSIKUUS MÜÜGILE SAABUNUD EESTIKEELSESD STANDARDID**

**EVS 908-1:2010**

**Hoone piirdetarindi soojusjuhtivuse arvutusjuhend. Osa 1: Välisõhuga kontaktis olev läbipaistmatu piire 219.-**

Arvutusjuhend käsitleb materjalide soojus-erijuhtivuste ja välisõhuga kontaktis olevate läbipaistmatute piirdetarindite soojus-juhtivuse arvutust. Arvutusjuhise käsitusallas ei kuulu ukсед, aknad ja muud klaaspinnad või tarindid, mille kaudu toimub soojusülekanne pinnasesse ning tarindid, mis on projekteeritud õhku läbilaskvaks.

**EVS 807:2010**

**Kinnisvara korrashoid.**

**Kinnisvarakeskkonna korraldamine 315.-**

Standard annab ja avab kinnisvara korrashoiu valdkonna põhimõistest ning arusaama

korrashoiu ratsionaalsest ja kvaliteetsest korraldusest, sellega kaasnevast dokumenteerimisest ning kulutustest.

**EVS-EN 1993-1-12:2007+NA:2010**

**Eurokoodeks 3: Teraskonstruksioonide projekteerimine. Osa 1-12: Täiendavad reeglid standardi EN 1993 laiendamiseks kuni teraseni S 700 114.-**

Eesti standard on Euroopa standardi EN 1993-1-12:2007 “Eurocode 3: Design of steel structures - Part 1-12: Additional rules for the extension of EN 1993 up to steel grades S 700” ja standardiparanduse EN 1993-1-12:2007/AC:2009 ingliskeelse teksti identne tõlge eesti keelde.

Selles standardis antakse reeglid, mida võib kasutada koos järgmiste osadega EN 1993-1-1;

EN 1993-1-2; EN 1993-1-3; EN 1993-1-4; EN 1993-1-5; EN 1993-1-6; EN 1993-1-7; EN 1993-1-8; EN 1993-1-9; EN 1993-1-10; EN 1993-1-11 nii, et oleks võimalik projekteerida konstruktsioone suurema tugevusklassiga terastest kui S460, kuid mitte enam kui S700.

Kui tekib vajadus muuta teiste osade reegleid nii, et oleks võimalik kasutada teraseid tugevusklassiga kuni S700, tuleb esitada kas selleks vajalikud abinõud, või sedastada, et neid reegleid ei tohi kasutada tugevamate teraste kui S460 korral, või anda vajalik lisareegel või -reeglid.

#### **EVS-EN 1993-1-12/NA:2010**

**Eurokoodeks 3: Teraskonstruktsioonide projekteerimine. Osa 1-12: Täiendavad reeglid standardi EN 1993 laiendamiseks kuni teraseni S 700. Eesti standardi rahvuslik lisa 80.-**

Eesti standard on Euroopa standardi EN 1993-1-12:2007 "Eurocode 3: Design of steel structures - Part 1-12: Additional rules for the extension of EN 1993 up to steel grades S 700" Eesti rahvuslik lisa, mis sisaldab rahvuslikult määratud parameetreid (NDP) ja protseduure, mida tuleb kasutada koos standardiga EN 1993-1-12 nende konstruktsioonide projekteerimisel, mida püstitatakse Eestis

#### **EVS-EN 1993-1-11:2006+NA:2010**

**Eurokoodeks 3: Teraskonstruktsioonide projekteerimine. Osa 1-11: Tõmbele töötavate elementidega konstruktsioonide projekteerimine 243.-**

Eesti standard on Euroopa standardi EN 1993-1-11:2006 "Eurocode 3 - Design of steel structures - Part 1-11: Design of structures with tension components" ja standardiparanduse EN 1993-1-11:2006/ AC:2009 ingliskeelse teksti identne tõlge eesti keelde.

Standardis EN 1993-1-11 antakse projekteerimisjuhiseid terasest reguleeritavate ja vahetatavate tõmbelementidega konstruktsioonidele.

**MÄRKUS** Reguleeritavuse ja vahetatavusega seotud nõuete tõttu on tõmbeelementid tavaliselt valmisdetailid, mis toimetatakse ehitusplatsile ja monteeritakse konstruktsioonile. Tõmbeelementid, mis ei ole reguleeritavad või vahetatavad, näiteks ripsildadel kasutatavad ehitusplatsil monteeritavad kaablid, ei kuulu selle standardi kasutusvaldkonda. Selle standardi reegleid võib siiski kasutada.

Selles standardis antakse ka reegleid valmisdetailina kasutatavate tõmbelementide tehniliste nõuete määramiseks ja nende töökindluse, kasutatavuse ja kestvuse hindamiseks.

#### **EVS-EN 1993-1-11/NA:2010**

**Eurokoodeks 3: Teraskonstruktsioonide projekteerimine. Osa 1-11: Tõmbele töötavate elementidega konstruktsioonide projekteerimine. Eesti standardi rahvuslik lisa 105.-**

Eesti standard on Euroopa standardi EN 1993-1-11:2006 "Eurocode 3 - Design of steel structures - Part 1-11: Design of structures with tension components" Eesti rahvuslik lisa, mis sisaldab rahvuslikult määratud parameetreid (NDP) ja protseduure, mida tuleb kasutada koos standardiga EN 1993-1-11 nende konstruktsioonide projekteerimisel, mida püstitatakse Eestis.

#### **EVS-EN 62305-3:2007/A11:2009**

**Piksekaitse. Osa 3: Ehitistele tekitatavad füüsilised kahjustused ja oht elule 68.-**

Eesti standardi muudatus on Euroopa standardi EN 62305-3:2006 "Protection against lightning - Part 3: Physical damage to structures and life hazard" muudatuse A11:2009 ingliskeelse teksti identne tõlge eesti keelde.

IEC 62305 see osa esitab nõuded ehitise kaitseks füüsilise kahjustamise vastu piksekaitse-süsteemi (LPS) abil ja elusolendite traumade vältimiseks puute- ning sammupingetega piksekaitse-süsteemi lähedal (vt IEC 62305-1).

Standard on rakendatav: - ehitiste piksekaitse-süsteemide projekteerimisel, paigaldamisel, ülevaastustel ja hooldustel ilma piiranguteta ehitiste kõrgusele; - meetmete ettevalmistamisel elusolendite kaitseks puute- ja sammupingetega traumeerimise vastu.

Märkus 1. Plahvatusohu tõttu ümbrusele ohtlike ehitiste piksekaitse-süsteemidele on esitatavad erinõuded ettevalmistamisel. Lisas D on ajutiseks kasutamiseks toodud täiendav informatsioon.

Märkus 2. See IEC 62305 osa ei käsitle elektri- ja elektroonikasüsteemide kaitset liigpingete tõttu tekkivate rikete vastu. Selleks otstarbeks on erinõuded toodud standardis IEC 62305-4.

## **ISO/TR 10017:2003**

### **Juhised ISO 9001:2000 statistiliste meetodite kasutamiseks 178.-**

Tehniline aruanne annab juhised sobivate statistiliste meetodite valikuks, mis võivad aidata organisatsioone ISO 9001 standardile vastavate kvaliteedijuhtimissüsteemide arendamisel, elluviimisel, alahoidmisel ja parendamisel. Uuritud on kvantitatiivsete andmete kasutamist eeldavaid ISO 9001 nõudeid ning seejärel identifitseeritud ja kirjeldatud statistilisi meetodeid, mida võib selliste andmete jaoks kasulikult rakendada. Selles tehnilises aruandes viidatud statistiliste meetodite loetelu ei ole täielik ega põhjalik ning ei välista ühegi teise organisatsioonile kasuliku meetodi (statistilise või mitte-statistilise) kasutamist. Veel enam, see tehniline aruanne ei püüa ette kirjutada, millist statistilist meetodit peab kasutama. Tehniline aruanne ei ole mõeldud sertifitseerimisel, regulatiivsetel ega lepingutega seotud eesmärkidel kasutamiseks. See ei ole mõeldud kasutamiseks kohustusliku kontrollnimekirjana ISO 9001:2000 nõuetele vastavuse analüüsil. Statistiliste meetodite kasutamine on õigustatud, kui nende rakendamine võiks kaasa aidata kvaliteedijuhtimissüsteemi mõjususe parendamisele.

**MÄRKUS 1** Termineid 'statistilised tehnikad' ja 'statistilised meetodid' kasutatakse sageli vaheldumisi.

**MÄRKUS 2** Tehnilises aruandes kasutatakse terminit 'toode' ka üldiste tootekategooriate teenus, tarkvara, riistvara ja töötlusmaterjalid või nende kombinatsiooni tähenduses kooskõlas 'toote' määratlusega standardis ISO 9000:2000.

## **EVS-EN 15251:2007**

### **Sisekeskkonna algandmed hoonete energiatõhususe projekteerimiseks ja hindamiseks, lähtudes siseõhu kvaliteedist, soojuslikust mugavusest, valgustusest ja akustikast 256.-**

Eesti standard on Euroopa standardi EN 15251:2007 "Indoor environmental input parameters for design and assessment of energy performance of buildings addressing indoor air quality, thermal environment, lighting and acoustics" ingliskeelse teksti identne tõlge eesti keelde.

Euroopa standard täpsustab hoonete energiatõhusust mõjutavaid sisekliima parameetreid.

Standard täpsustab, kuidas kindlaks teha sisekliima algandmed hoone süsteemide projekteerimiseks ning energia toimivuse arvutamiseks. Standard määratleb sisekliima pikaajalise hindamise meetodid, lähtudes arvutus- või mõõtmistulemustest.

See standard määratleb meetmete vastavuse kontrollmõõtmise tulemustele. Standard määrab parameetrid olemasolevate hoonete sisekliima järelvalveks ning esitamiseks.

Standard on rakendatav peamiselt mitte-tööstushoonetele, kus sisekliima parameetrid on tingitud hoonet kasutavate inimeste tegevusest ning kus tootmine või hoonesisesed protsessid ei oma suurt mõju sisekliimale. Standard on seega rakendatav järgmistele hoonetüüpidele: ühepereelamud, korterelamud, bürood, haridusasutused, haiglad, hotellid, restoranid, spordihooned ja hulgi- ning jaekaubandusega seotud hooned.

## **EVS-EN 1993-1-6:2007+NA:2010**

### **Eurokoodeks 3: Teraskonstruksioonide projekteerimine. Osa 1-6:**

#### **Koorikkonstruksioonide tugevus ja stabiilsus 336.-**

Eesti standard on Euroopa standardi EN 1993-1-6:2007 "Eurocode 3 - Design of steel structures - Part 1-6: Strength and Stability of Shell Structures" ja selle paranduse AC:2009 ingliskeelse teksti identne tõlge eesti keelde.

Standard EN 1993-1-6 annab põhireeglid pöördkoorikukujuliste terasest plaat-konstruksioonide projekteerimiseks.

## **EVS-EN 1993-1-6/NA:2010**

### **Eurokoodeks 3: Teraskonstruksioonide projekteerimine. Osa 1-6:**

#### **Koorikkonstruksioonide tugevus ja stabiilsus. Eesti standardi rahvuslik lisa 105.-**

Eesti standard on Euroopa standardi EN 1993-1-6:2007 "Eurocode 3 - Design of steel structures - Part 1-6: Strength and Stability of Shell Structures" Eesti rahvuslik lisa, mis sisaldab rahvuslikult määratud parameetreid (NDP) ja protseduure, mida tuleb kasutada koos standardiga EN 1993-1-6 nende konstruksioonide projekteerimisel, mida püstitatakse Eestis.

## VEEBRUARIKUUS MUUDETUD STANDARDITE PEALKIRJADE TÖLKED

Selles jaotises avaldame infot Eesti standardite eestikeelsete pealkirjade muutmise kohta ja ingliskeelsete pealkirjade tõlkimise kohta.

Lisainformatsioon või ettepanekud standardipealkirjade ebatäpsustest [enquiry@evs.ee](mailto:enquiry@evs.ee)

### Eesti standardite eesti keelde tõlgitud pealkirjade muutmine:

Standardi tähis	Muudetav pealkiri	UUS pealkiri
EVS-EN 13251:2001	Geotekstiilid ja geotekstiilidega seotud tooted mullatöödeks ning vundamentide ja tugikonstruktsioonide ehitamiseks. Omadused	Geotekstiilid ja geotekstiilipõhised tooted. Nõutavad omadused kasutamiseks mullatöödel ning vundamentides ja tugikonstruktsioonides
EVS-EN 13251:2001/A1:2005	Geotekstiilid ja geotekstiilidega seotud tooted mullatöödeks ning vundamentide ja tugikonstruktsioonide ehitamiseks. Omadused	Geotekstiilid ja geotekstiilipõhised tooted. Nõutavad omadused kasutamiseks mullatöödel ning vundamentides ja tugikonstruktsioonides

### Eesti standardite ingliskeelsete pealkirjade tõlkimine eesti keelde:

Standardi tähis	Standardi pealkiri (en)	Standardi pealkiri (et)
CEN/TR 15951:2009	Pyrotechnic articles - Fireworks, category 4 - Overview of harmonized standards that will be developed by CEN/TC 212/WG 2	Pürotehnilised tooted. 4. kategooria ilutulestik. Ülevaade harmoneeritud standarditest, mida koostab töörühm CEN/TC 212/WG 2
CEN/TR 15952:2009	Pyrotechnic articles - Theatrical pyrotechnic articles, categories T1 and T2 - Overview of harmonized standards that will be developed by CEN/TC 212/WG 3	Pürotehnilised tooted. Teatris kasutatavad T1 ja T2 kategooria pürotehnilised tooted. Ülevaade harmoneeritud standarditest, mida koostab töörühm CEN/TC 212/WG 3
CEN/TR 15953:2009	Pyrotechnic articles - Other pyrotechnic articles, category P1 and P2 - Overview of harmonized standards that will be developed by CEN/TC 212/WG 5	Pürotehnilised tooted. Muud P1 ja P2 kategooria pürotehnilised tooted. Ülevaade harmoneeritud standarditest, mida koostab töörühm CEN/TC 212/WG 5
CEN/TR 15970:2009	Pyrotechnic articles - Pyrotechnic articles for vehicles - Overview on work program for EN standards to be developed by CEN/TC 212 WG 4	Pürotehnilised tooted. Sõidukitele mõeldud pürotehnilised tooted. Ülevaade töörühmale CEN/TC 212/WG 4 töökavas koostamiseks määratud standarditest.
CEN/TS 15919:2009	Fertilizers - Extraction of phosphorus soluble in 2 % formic acid	Väetised. 2% sipelghappes lahutuva fosfori ekstraheerimine
EVS-EN 14785:2006	Residential space heating appliances fired by wood pellets - Requirements and test methods	Eluruumides asuvad puidugraanulitega köetavad küttesüsteemid. Nõuded ja katsemeetodid
EVS-EN 13157:2004+A1:2009	Cranes - Safety - Hand powered cranes	Kraanad. Ohutus. Käsiajamiga tõsteseadmed



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asuvast ostukorvis [www.evs.ee/POOD](http://www.evs.ee/POOD)