

Hose fittings with clamp units - Part 1: Requirements, survey, designation and testing

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EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

<p>Käesolev Eesti standard EVS-EN 14420-1:2005+A1:2007 sisaldab Euroopa standardi EN 14420-1:2004+A1:2007 ingliskeelset teksti.</p> <p>Käesolev dokument on jõustatud 28.02.2007 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes.</p> <p>Standard on kättesaadav Eesti standardiorganisatsioonist.</p>	<p>This Estonian standard EVS-EN 14420-1:2005+A1:2007 consists of the English text of the European standard EN 14420-1:2004+A1:2007.</p> <p>This document is endorsed on 28.02.2007 with the notification being published in the official publication of the Estonian national standardisation organisation.</p> <p>The standard is available from Estonian standardisation organisation.</p>
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<p>Käsitlusala:</p> <p>This European Standard specifies requirements for hose fittings with clamp units for hoses made of rubber/plastics or thermoplastics preferably for use with flammable and non-flammable products. It contains requirements for hose fittings to ensure that, when used appropriately, the user or third persons are not exposed to hazards from fire, explosions or acid burns, for example from mineral oils or chemicals, and that the environment is protected from pollution and other detriments. The use of non-asbestos materials for gaskets in hose fittings is recommended in this series of standards.</p>	<p>Scope:</p> <p>This European Standard specifies requirements for hose fittings with clamp units for hoses made of rubber/plastics or thermoplastics preferably for use with flammable and non-flammable products. It contains requirements for hose fittings to ensure that, when used appropriately, the user or third persons are not exposed to hazards from fire, explosions or acid burns, for example from mineral oils or chemicals, and that the environment is protected from pollution and other detriments. The use of non-asbestos materials for gaskets in hose fittings is recommended in this series of standards.</p>
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Võtmesõnad:

English Version

**Hose fittings with clamp units - Part 1: Requirements, survey,
designation and testing**

Raccords pour flexibles avec demi-coquille - Partie 1:
Exigences, présentation générale, désignation et essais

Schlaucharmaturen mit Klemmfassungen - Teil 1:
Anforderungen, Übersicht, Bezeichnung und Prüfung

This European Standard was approved by CEN on 30 September 2004 and includes Amendment 1 approved by CEN on 13 December 2006.

CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration. Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the CEN Management Centre or to any CEN member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the CEN Management Centre has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Bulgaria, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and United Kingdom.



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Foreword

This document (EN 14420-1:2004+A1:2007) has been prepared by Technical Committee CEN/TC 218 "Rubber and plastics hoses and hose assemblies", the secretariat of which is held by BSI.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by July 2007, and conflicting national standards shall be withdrawn at the latest by July 2007.

This document includes Amendment 1, approved by CEN on 2006-12-13.

This document supersedes EN 14420-1:2004.

The start and finish of text introduced or altered by amendment is indicated in the text by tags **A1** and **A1**.

EN 14420 consists at the time of publication of the following parts:

EN 14420-1, *Hose fittings with clamp units — Part 1: Requirements, survey, designation and testing*

EN 14420-2, *Hose fittings with clamp units — Part 2: Hose side parts of hose tail*

EN 14420-3, *Hose fittings with clamp units — Part 3: Clamp units, bolted or pinned*

EN 14420-4, *Hose fittings with clamp units — Part 4: Flange connections*

EN 14420-5, *Hose fittings with clamp units — Part 5: Threaded connections*

EN 14420-6, *Hose fittings with clamp units — Part 6: TW tank truck couplings*

EN 14420-7, *Hose fittings with clamp units — Part 7: Cam locking couplings*

EN 14420-8, *Hose fittings with clamp units — Part 8: Symmetrical half coupling (Guillemin system)*

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard : Austria, Belgium, Bulgaria, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and United Kingdom.

1 Scope

This document specifies requirements for hose fittings with clamp units for hoses made of rubber/plastics or thermoplastics preferably for use with flammable and non-flammable products. It contains requirements for hose fittings to ensure that, when used appropriately, the user or third persons are not exposed to hazards from fire, explosions or acid burns, for example from mineral oils or chemicals, and that the environment is protected from pollution and other detriments. The use of non-asbestos materials for gaskets in hose fittings is recommended in this series of standards.

For maximum working pressure (WP) and temperature see  4.3 .

2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

EN 10204, *Metallic products — Types of inspection documents*

EN 12115, *Rubber and thermoplastics hoses and hose assemblies for liquid or gaseous chemicals — Specification*

EN 14420-2, *Hose fittings with clamp units — Part 2: Hose side parts of hose tail*

EN 14420-3, *Hose fittings with clamp units — Part 3: Clamp units, bolted or pinned*

EN 14420-4, *Hose fittings with clamp units — Part 4: Flange connections*

EN 14420-5, *Hose fittings with clamp units — Part 5: Threaded connections*

EN 14420-6, *Hose fittings with clamp units — Part 6: TW tank truck couplings*

EN 14420-7, *Hose fittings with clamp units — Part 7: Cam locking couplings*

EN 14420-8, *Hose fittings with clamp units — Part 8: Symmetrical half coupling (Guil-lemin system)*

EN ISO 228-1, *Pipe threads where pressure-tight joints are not made on the threads — Part 1: Dimensions, tolerances and designation (ISO 228-1:2000)*

3 Terms and definitions

For the purposes of this document, the following term and definition applies.

3.1

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see EN ISO 6708