

Hose fittings with clamp units - Part 3: Clamp units, pinned or bolted

Hose fittings with clamp units - Part 3: Clamp units,
pinned or bolted

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

<p>Käesolev Eesti standard EVS-EN 14420-3:2005 sisaldab Euroopa standardi EN 14420-3:2004 ingliskeelset teksti.</p> <p>Käesolev dokument on jõustatud 25.01.2005 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes.</p> <p>Standard on kättesaadav Eesti standardiorganisatsioonist.</p>	<p>This Estonian standard EVS-EN 14420-3:2005 consists of the English text of the European standard EN 14420-3:2004.</p> <p>This document is endorsed on 25.01.2005 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: This standard specifies requirements for clamp units for hose couplings according to EN 14420-1 for use with hose shanks according to EN 14420-2</p>	<p>Scope: This standard specifies requirements for clamp units for hose couplings according to EN 14420-1 for use with hose shanks according to EN 14420-2</p>
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ICS 23.040.70

Võtmesõnad: gauges, hose clips, hose connectors, hose fittings, hydraulic equipment, marking, materials, measurement, pipe connections, pipe fittings, pipelines, specification (approval), specifications, stoppers, testing, tolerances, tolerances (measurement), valves

ICS 23.040.70

English version

Hose fittings with clamp units - Part 3: Clamp units, bolted or pinned

Raccords pour flexibles avec demi-coquille - Partie 3:
Colliers boulonnés ou goupillés

Schlaucharmaturen mit Klemmfassungen - Teil 3:
Klemmfassungen, verschraubt oder verstiftet

This European Standard was approved by CEN on 30 September 2004.

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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 Central Secretariat has the same status as the official versions.

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Foreword

This document (EN 14420—3:2004) 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 May 2005, and conflicting national standards shall be withdrawn at the latest by May 2005.

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, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Slovakia, Slovenia, Spain, Sweden, Switzerland and United Kingdom.

1 Scope

This document specifies requirements for clamp units for hose couplings according to EN 14420-1 for use with hose tails according to EN 14420-2.

Maximum working pressure 25 bar, maximum working temperature 65 °C.

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 586-2, *Aluminium and aluminium alloys — Forgings — Part 2: Mechanical properties and additional property requirements*.

EN 1706, *Aluminium and aluminium alloys — Castings — Chemical composition and mechanical properties*.

EN 10088-1, *Stainless steels — Part 1: List of stainless steels*.

EN 10213-4, *Technical delivery conditions for steel castings for pressure purposes — Part 4: Austenitic and austenitic-ferritic steel grades*.

EN 12420, *Copper and copper alloys — Forgings*.

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 20898-2, *Mechanical properties of fasteners — Part 2: Nuts with specified proof load values — Coarse thread (ISO 898-2:1992)*.

EN ISO 898-1, *Mechanical properties of fasteners made of carbon steel and alloy steel — Part 1: Bolts, screws and studs (ISO 898-1:1999)*.

EN ISO 3506-1, *Mechanical properties of corrosion-resistant stainless-steel fasteners — Part 1: Bolts, screws and studs (ISO 3506-1:1997)*.

EN ISO 3506-2, *Mechanical properties of corrosion-resistant stainless-steel fasteners — Part 2: Nuts (ISO 3506-2:1997)*.

EN ISO 4032, *Hexagon nuts, style 1 — Product grades A and B (ISO 4032:1999)*.

EN ISO 4042, *Fasteners — Electroplated coatings (ISO 4042:1999)*.

EN ISO 4762, *Hexagon socket head cap screws (ISO 4762:2004)*.

EN 22768-1, *General tolerances — Part 1: Tolerances for linear and angular dimensions without individual tolerance indications (ISO 2768-1:1989)*.

EN 22768-2, *General tolerances — Part 2: Geometrical tolerances for features without individual tolerance indications (ISO 2768-2:1989)*.

3 Fixing range of clamp units

The pinching range of the clamp units shall be according to Table 1.