



NSAI
Standards

Irish Standard
I.S. EN 14420-5:2013

Hose fittings with clamp units - Part 5: Threaded connections

I.S. EN 14420-5:2013

Incorporating amendments/corrigenda/National Annexes issued since publication:

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English Version

Hose fittings with clamp units - Part 5: Threaded connections

Raccords pour flexibles avec demi-coquille - Partie 5:
Raccordements filetés

Schlaucharmaturen mit Klemmfassungen - Teil 5:
Gewindeanschlüsse

This European Standard was approved by CEN on 15 May 2013.

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Contents

Page

Foreword.....3

1 Scope.....5

2 Normative references.....5

3 Terms and definitions6

4 Hose fitting with union nut and clamp fitting with male pipe thread6

5 Dimensions, designations8

5.1 General8

5.2 Hose tail with male pipe thread9

5.3 Hose tail with union nuts11

5.4 Union nuts12

5.5 Thread gaskets.....15

6 Surface finish16

7 Materials16

7.1 General16

7.2 Hose tails and union nuts16

7.3 Balls17

7.4 Thread gaskets.....17

8 Marking18

9 Type testing and quality control.....18

Bibliography.....19

Foreword

This document (EN 14420-5:2013) 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of an identical text or by endorsement, at the latest by January 2014, and conflicting national standards shall be withdrawn at the latest by January 2014.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN [and/or CENELEC] shall not be held responsible for identifying any or all such patent rights.

This document supersedes EN 14420-5:2004.

In comparison to EN 14420-5:2004, the following changes have been made:

- In Clause 2, the normative references have been updated.
- A new Clause 3 "Terms and definitions" has been added.
- 5.5 has been renamed "Thread gaskets".
- In 7.2, the list of materials for hose tails and union nuts has been revised.
- In 7.4, the requirements on materials have been revised.
- In Clause 8, the requirements for marking have been revised.
- The Bibliography has been reviewed.
- The standard has been revised editorially.

EN 14420, *Hose fittings with clamp units* consists of the following parts:

- *Part 1: Requirements, types of fixing and connection, designation and testing*
- *Part 2: Hose side parts of hose tail*
- *Part 3: Clamp units, bolted or pinned*
- *Part 4: Flange connections*
- *Part 5: Threaded connections*
- *Part 6: TW tank truck couplings*
- *Part 7: Cam locking couplings*
- *Part 8: Symmetrical half coupling (Guillemin system)*

I.S. EN 14420-5:2013

EN 14420-5:2013 (E)

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1 Scope

This European Standard specifies requirements for hose fittings with clamp units according to EN 14420-1 with union nut and pipe thread according to EN ISO 228-1 as well as for hose tails according to EN 14420-2 with male pipe thread according to EN ISO 228-1.

Maximum working pressure is 25 bar¹⁾; maximum working temperature is 65 °C.

2 Normative references

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

EN 755 (all parts), *Aluminium and aluminium alloys — Extruded rod/bar, tube and profiles*

EN 1982, *Copper and copper alloys — Ingots and castings*

EN 10025-2, *Hot rolled products of structural steels — Part 2: Technical delivery conditions for non-alloy structural steels*

EN 10087, *Free-cutting steels — Technical delivery conditions for semi-finished products, hot-rolled bars and rods*

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

EN 10213, *Steel castings for pressure purposes*

EN 10217-1, *Welded steel tubes for pressure purposes — Technical delivery conditions — Part 1: Non-alloy steel tubes with specified room temperature properties*

EN 10243-1, *Steel die forgings — Tolerances on dimensions — Part 1: Drop and vertical press forgings*

EN 10243-2, *Steel die forgings — Tolerances on dimensions — Part 2: Upset forging made on horizontal forging machines*

EN 10283, *Corrosion resistant steel castings*

EN 12164, *Copper and copper alloys — Rod for free machining purposes*

EN 12420, *Copper and copper alloys — Forgings*

EN 14420-1:2013, *Hose fittings with clamp units — Part 1: Requirements, types of fixing and connection, 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 22768-1, *General tolerances — Part 1: Tolerances for linear and angular dimensions without individual tolerance indications (ISO 2768-1)*

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

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)*

1) 1 bar = 0,1 MPa.

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