



National Standards Authority of Ireland

IRISH STANDARD

**I.S. CEN/TS 14421:2006**

ICS 23.040.70

## **HOSE TAIL AND FERRULE FOR CRIMPING AND SWAGING**

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TECHNICAL SPECIFICATION  
SPÉCIFICATION TECHNIQUE  
TECHNISCHE SPEZIFIKATION

**CEN/TS 14421**

December 2006

ICS 23.040.70

English Version

## Hose tail and ferrule for crimping and swaging

Douilles et manchons pour sertissage et emboutissage

Schlauchstutzen und Presshülsen zum internen und  
externen Verpressen

This Technical Specification (CEN/TS) was approved by CEN on 24 September 2006 for provisional application.

The period of validity of this CEN/TS is limited initially to three years. After two years the members of CEN will be requested to submit their comments, particularly on the question whether the CEN/TS can be converted into a European Standard.

CEN members are required to announce the existence of this CEN/TS in the same way as for an EN and to make the CEN/TS available promptly at national level in an appropriate form. It is permissible to keep conflicting national standards in force (in parallel to the CEN/TS) until the final decision about the possible conversion of the CEN/TS into an EN is reached.

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## CEN/TS 14421:2006 (E)

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## **Foreword**

This document (CEN/TS 14421:2006) 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 Technical Specification is part of a suite of standards related to the fittings of rubber and plastic hoses and hose assemblies

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)

EN 14422: Clamp type coupling assemblies for LPG transfer hoses

EN 14423: Clamp type coupling assemblies for use with steam hoses rated for pressures up to 18 bar

EN 14424: Hose fittings with screwed ferrules

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to announce this CEN Technical Specification: Austria, Belgium, 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.

## **CEN/TS 14421:2006 (E)**

### **1 Scope**

This Technical Specification applies to hose tails and ferrules for crimping and swaging and covers the following types of attachment between hose and couplings:

- internal swaging;
- external swaging;
- external crimping.

Maximum working pressure 10 bar, maximum working temperature 150 °C (depending on the respective material).

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

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

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

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

EN ISO 1307, *Rubber and plastics hoses for general-purpose industrial applications — Bore diameters and tolerances, and tolerances on length (ISO 1307:1992)*

EN ISO 8031, *Rubber and plastics hoses and hoses assemblies — Determination of electrical resistance (ISO 8031:1993)*

EN ISO 8330, *Rubber and plastics hoses and hose assemblies — Vocabulary (ISO 8330:1998)*

EN ISO 15607, *Specification and qualification of welding procedures for metallic materials — General rules (ISO 15607:2003)*

EN ISO 15609-1, *Specification and qualification of welding procedures for metallic materials — Welding procedure specification — Part 1: Arc welding (ISO 15609-1:2004)*

EN ISO 15614-1:2004, *Specification and qualification of welding procedures for metallic materials — Welding procedure test — Part 1: Arc and gas welding of steels and arc welding of nickel and nickel alloys (ISO 15614-1:2004)*

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