

SLOVENSKI STANDARD SIST EN ISO 15465:2004

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Pipework - Stripwound metal hoses and hose assemblies (ISO 15465:2004)

Rohrleitungen - Gewickelte Metallschläuche und Schlauchleitungen (ISO 15465:2004)

Tuyauteries - Tuyaux et tuyauteries métalliques flexibles agrafés (ISO 15465:2004)

Ta slovenski standard je istoveten z: EN ISO 15465:2004

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ICS:

23.040.70 Gumene cevi in armature Hoses and hose assemblies

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EUROPEAN STANDARD NORME EUROPÉENNE EUROPÄISCHE NORM **EN ISO 15465**

March 2004

ICS 23.040.70

English version

Pipework - Stripwound metal hoses and hose assemblies (ISO 15465:2004)

Tuyauteries - Tuyaux et tuyauteries métalliques flexibles agrafés (ISO 15465:2004)

Rohrleitungen - Gewickelte Metallschläuche und Metallschlauchleitungen (ISO 15465:2004)

This European Standard was approved by CEN on 1 March 2004.

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 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 Management Centre has the same status as the official versions.

CEN members are the national standards bodies of 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.

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EUROPEAN COMMITTEE FOR STANDARDIZATION COMITÉ EUROPÉEN DE NORMALISATION EUROPÄISCHES KOMITEE FÜR NORMUNG

Management Centre: rue de Stassart, 36 B-1050 Brussels

EN ISO 15465:2004 (E)

Foreword

This document (EN ISO 15465:2004) has been prepared by Technical Committee ISO/TC 5 "Ferrous metal pipes and metallic fittings" in collaboration with Technical Committee CEN/TC 342 "Metal hoses, hose assemblies, bellows and expansion joints", the secretariat of which is held by UNI.

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 August 2004, and conflicting national standards shall be withdrawn at the latest by August 2004.

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.

Endorsement notice

The text of ISO 15465:2004 has been approved by CEN as EN ISO 15465:2004 without any modifications.

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INTERNATIONAL STANDARD

ISO 15465

First edition 2004-03-15

Pipework — Stripwound metal hoses and hose assemblies

Tuyauteries — Tuyaux et tuyauteries métalliques flexibles agrafés

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Reference number ISO 15465:2004(E)

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Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 2.

The main task of technical committees is to prepare International Standards. Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

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

ISO 15465 was prepared by Technical Committee ISO/TC 5, Ferrous metal pipes and metallic fittings, Subcommittee SC 11, Metal hoses and expansion joints.

This first edition of ISO 15465 cancels and replaces ISO 7657:1995, ISO 7658:1984, ISO 8444:1985, ISO 8445:1995, ISO 8446:1995, ISO 8446:1995, ISO 8447:1986, ISO 8448:1986; ISO 8449:1995 and ISO 8450:1986 of which it constitutes a technical revision.

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Introduction

It was decided to produce an International Standard under the Vienna Agreement, on technical cooperation between ISO and the European Committee for Standardization, CEN, in order to maintain one document. The opportunity was taken to replace all existing stripwound standards into this single document and to reformat it such that its layout is similar to the International Standard for corrugated hose, ISO 10380. At the same time, additional information has been included which was not available when the replaced standards were originally produced.

This document is a base standard for stripwound metal hoses and hose assemblies for general purposes.

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Pipework — Stripwound metal hoses and hose assemblies

1 Scope

This International Standard specifies the requirements for the design, manufacture and testing of four principal types of stripwound metal hose and hose assemblies, of which only one type is for pressure applications. The four are: single overlap, unpacked and packed; double overlap, unpacked and packed, the last of these having maximum allowable pressures of up to 40 bar.

These hoses and hose assemblies may be supplied in nominal sizes from DN 6 to DN 500 and may operate at temperatures up to 600 °C dependent on materials of construction.

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.

ISO 554, Standard atmospheres for conditioning and/or testing a specifications

ISO 1634-1, Wrought copper and copper alloy plate, sheet and strip — Part 1: Technical conditions of delivery for plate, sheet and strip for general purposes standards/sist/0fdaba09-3f25-4ba9-beb1-0847f9599ff9/sist-en-iso-15465-2004

ISO 2081, Metallic coatings — Electroplated coatings of zinc on iron or steel

ISO 6317, Hot-rolled carbon steel strip of commercial and drawing qualities

ISO 7369, Pipework — Metal hoses and hose assemblies — Vocabulary

ISO 9328-5, Steel plates and strips for pressure purposes — Technical delivery conditions — Part 5: Austenitic steels

ISO 10380, Pipework — Corrugated metal hoses and hose assemblies

EN 10028-7, Flat products made of steels for pressure purposes — Part 7: Stainless steels

3 Terms and definitions

For the purposes of this document, the terms and definitions given in ISO 7369 apply.

4 Information to be supplied by the purchaser

- **4.1** The purchaser shall state the following in enquiries and orders
- a) application;
- b) nominal size and hose assembly length and whether measured in mid- or extended position;