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Pipework — Metal hoses and hose assemblies — Vocabulary

Tuyauteries — Tuyaux et tuyauteries métalliques flexibles — Vocabulaire

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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.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular, the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

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This document was prepared by the European Committee for Standardization (CEN) TechnicalCommittee CEN/TC 342, *Metal hoses, hose assemblies, bellows and expansion joints*, in collaboration with ISO Technical Committee ISO/TC 5, *Ferrous metal pipes and metallic fittings*, Subcommittee SC 11, *Metal hoses and expansion joints*, in accordance with the Agreement on technical cooperation between ISO and CEN (Vienna Agreement).

This fourth edition cancels and replaces the third edition (ISO 7369:2004), which has been technically revised.

The main changes compared to the previous edition are as follows:

— shift updated normative references into Bibliography;

— introduction of new definitions related to "design pressure", "metal braid strand", "braided braid" and " nominal size of metal hose assembly";

— revision of definitions related to "maximum allowable pressure", "maximum allowable temperature" and "minimum allowable temperature";

— update of Annex A to include French, German and Dutch terms and deletion of Annexes B, C, D and E.

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at www.iso.org/members.html.

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Introduction

It was decided to produce a 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 re-format and add additional information, which was not available when the standard was originally produced.

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Pipework — Metal hoses and hose assemblies — Vocabulary

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1 Scope

This document defines current terms concerning metal hoses, metal hose assemblies and component parts.

This document applies to:

a) stripwound metal hoses and hose assemblies;

b) corrugated metal hoses and hose assemblies.

NOTE 1 These hoses can be used braided, covered or lined.

NOTE 2 Equivalent terms in English, French, German and Dutch are given in Annex A.

2 Normative references

There are no normative references in this document.

3 Terms and definitions

ISO and IEC maintain terminological databases for use in standardization at the following addresses:

— ISO Online browsing platform: available at https://www.iso.org/obp

— IEC Electropedia: available at http://www.electropedia.org/

3.1 General

3.1.1
metal hose
metal duct, generally of circular or polygonal section, able to withstand repeated bending without damage

3.1.1.1
stripwound metal hose
hose manufactured from a helically wound pre-formed strip, generally with a right-hand lead, where the turns, with or without *packing* (3.2.1.2), are connected together by single or double overlapping and *flexibility* (3.1.11) is obtained by sliding adjacent turns over each other

3.1.1.2
corrugated metal hose
pressure-tight hose made from tube or from *strip* (3.2.1.1) with corrugations, helicoidal or annular to the axis of the hose, made by deforming the metal, and where *flexibility* (3.1.11) and *pliability* (3.1.12) are obtained by bending of the corrugations

3.1.2
metal hose assembly
assembly of a *metal hose* (3.1.1) with its *end fittings* (3.2.2.4)

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