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Pipework - Metal hoses and hose assemblies -  
Vocabulary (ISO 7369:2020)

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EUROPEAN STANDARD

EN ISO 7369

NORME EUROPÉENNE

EUROPÄISCHE NORM

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English Version

## Pipework - Metal hoses and hose assemblies - Vocabulary (ISO 7369:2020)

Tuyauteries - Tuyaux et tuyauteries métalliques  
flexibles - Vocabulaire (ISO 7369:2020)

Rohrleitungen - Metallschläuche und  
Metallschlauchleitungen - Vokabular (ISO 7369:2020)

This European Standard was approved by CEN on 28 April 2020.

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

CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

## European foreword

This document (EN ISO 7369:2020) 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 SNV.

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of an identical text or by endorsement, at the latest by October 2020, and conflicting national standards shall be withdrawn at the latest by October 2020.

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

This document supersedes EN ISO 7369:2004.

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## Endorsement notice

The text of ISO 7369:2020 has been approved by CEN as EN ISO 7369:2020 without any modification.

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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](http://www.iso.org/directives)).

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. Details of any patent rights identified during the development of the document will be in the Introduction and/or on the ISO list of patent declarations received (see [www.iso.org/patents](http://www.iso.org/patents)).

Any trade name used in this document is information given for the convenience of users and does not constitute an endorsement.

For an explanation of the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT) see [www.iso.org/iso/foreword.html](http://www.iso.org/iso/foreword.html).

This document was prepared by the European Committee for Standardization (CEN) Technical Committee 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](http://www.iso.org/members.html).

## 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.

# Pipework — Metal hoses and hose assemblies — Vocabulary

## 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)