
Cevovod - Kovinske cevi in cevni priključki - Slovar (ISO/DIS 7369:2019)

Pipework - Metal hoses and hose assemblies - Vocabulary (ISO/DIS 7369:2019)

Rohrleitungen - Metallschläuche und Metallschlauchleitungen - Vokabular (ISO/DIS 7369:2019)

Tuyauteries - Tuyaux et tuyauteries métalliques flexibles - Vocabulaire (ISO/DIS 7369:2019)

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Pipework — Metal hoses and hose assemblies — Vocabulary

Tuyauteries — Tuyaux et tuyauteries métalliques flexibles — Vocabulaire

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Foreword

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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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For an explanation on 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 the following URL: www.iso.org/iso/foreword.html.

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

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:

- update of normative references;
- 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 [Annexes A, B and C](#) and deletion of Annexes D and E.

[Annexes A, B and C](#) are for information only.

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

1 Scope

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

This International Standard applies to:

- a) Stripwound metal hoses and hose assemblies;
- b) Corrugated metal hoses and hose assemblies.

NOTE These hoses may be used braided, covered or lined.

2 Normative references

The following normative documents contain provisions, which, through reference in this text, constitute provisions of this International Standard. For dated references, subsequent amendments to, or revisions of, any of these publications do not apply. However, parties to agreements based on this International Standard are encouraged to investigate the possibility of applying the most recent editions of the normative documents indicated below. For undated references, the latest edition of the normative document referred to applies. Members of ISO and IEC maintain registers of currently valid International Standards.

ISO 6708:1995, *Pipework components — Definition and selection of DN (nominal size)* 1-

ISO 7268:1983, *Pipe components — Definition of nominal pressure*

ISO 7268:1983/Amd.1:1984, *Pipe components — Definition of nominal pressure / Amendment 1*

EN 1333:1996, *Pipework components — Definition and selection of PN*

3 Terms and definitions

3.1

metal hose

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

3.1.1

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, are connected together by single or double overlapping and flexibility is obtained by sliding adjacent turns over each other

3.1.2

corrugated metal hose

pressure-tight hose made from tube or from strip with corrugations, helicoidal or annular to the axis of the hose, made by deforming the metal and flexibility is obtained by bending of the corrugations

3.2

metal hose assembly

assembly of a metal hose with its end fittings

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3.3**nominal pressure [PN]**

numerical designation which is a convenient rounded number for reference purposes

Note 1 to entry: This defined number is a dimensionless number indirectly related to a pressure value in bar¹⁾.

Note 2 to entry: From ISO 7268 and see also EN 1333.

3.4**maximum operating pressure**

maximum pressure that may be reached in an installation

Note 1 to entry: Care should be taken to ensure that both temperature and pressure are quoted together.

3.5**design pressure**

maximum pressure at design temperature for which the hose assembly needs to be designed, as specified by the customer

Note 1 to entry: The design pressure in an installation should be equal or higher than the maximum operating pressure.

3.6**maximum allowable pressure**

maximum pressure at design temperature for which the hose assembly is designed, as specified by the manufacturer

Note 1 to entry: The maximum allowable pressure should be equal or higher than the design pressure.

Note 2 to entry: The maximum allowable pressure should be lower than or equal to the lowest value of the maximum allowable pressures of its components.

Note 3 to entry: Care should be taken to ensure that both temperature and pressure are quoted together.

3.7**burst pressure**

pressure reached before any part of the hose assembly fails by leakage or rupture of any of the components

3.8**test pressure**

differential pressure to which the hose assembly or the component is subjected to during a test at ambient temperature

3.9**maximum allowable temperature**

maximum temperature at design pressure for which the hose assembly is designed, as specified by the manufacturer

3.10**minimum allowable temperature**

minimum temperature at design pressure for which the hose assembly is designed, as specified by the manufacturer

3.11**flexibility**

capability of a metal hose to be repeatedly bent during operation

1) 1 bar = 0,1 MPa