

STN	Gumové hadice a hadice s koncovkami na nasýtenú paru Špecifikácia (ISO 6134: 2024)	STN EN ISO 6134 63 5302
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Rubber hoses and hose assemblies for saturated steam - Specification (ISO 6134:2024)

Táto norma obsahuje anglickú verziu európskej normy.
This standard includes the English version of the European Standard.

Táto norma bola oznámená vo Vestníku ÚNMS SR č. 09/24

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EN ISO 6134

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English Version

Rubber hoses and hose assemblies for saturated steam - Specification (ISO 6134:2024)

Tuyaux et flexibles en caoutchouc pour vapeur saturée
- Spécification (ISO 6134:2024)

Gummischläuche und -schlauchleitungen für
gesättigten Dampf - Spezifikation (ISO 6134:2024)

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EN ISO 6134:2024 (E)

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European foreword

This document (EN ISO 6134:2024) has been prepared by Technical Committee ISO/TC 45 "Rubber and rubber products" in collaboration with Technical Committee CEN/TC 218 "Rubber and plastics hoses and hose assemblies" the secretariat of which is held by BSI.

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of an identical text or by endorsement, at the latest by December 2024, and conflicting national standards shall be withdrawn at the latest by December 2024.

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.

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Endorsement notice

The text of ISO 6134:2024 has been approved by CEN as EN ISO 6134:2024 without any modification.



International Standard

ISO 6134

Rubber hoses and hose assemblies for saturated steam — Specification

*Tuyaux et flexibles en caoutchouc pour vapeur saturée —
Spécification*

**Fifth edition
2024-05**

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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 document 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 Technical Committee ISO/TC 45, *Rubber and rubber products*, Subcommittee SC 1, *Rubber and plastics hoses and hose assemblies*, in collaboration with the European Committee for Standardization (CEN) Technical Committee CEN/TC 218, *Rubber and plastics hoses and hose assemblies*, in accordance with the Agreement on technical cooperation between ISO and CEN (Vienna Agreement).

This fifth edition cancels and replaces the fourth edition (ISO 6134:2017), which has been technically revised.

The main changes are as follows:

- normative references have been updated;
- methods used for bending have been corrected in accordance with ISO 10619-1;
- methods used for measuring electrical properties have been corrected in accordance with ISO 8031.

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.

Rubber hoses and hose assemblies for saturated steam — Specification

1 Scope

This document specifies requirements for hoses and hose assemblies made of rubber and hose fittings made of metal, which are designed to convey saturated steam and hot water condensate.

This document applies to the following two types of hoses and hose assemblies:

- low pressure, with a maximum working pressure of 0,6 MPa (6 bar);
- high pressure, with a maximum working pressure of 1,8 MPa (18 bar).

Each type is divided into two classes, having either an oil resistant or non-oil resistant cover.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements 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 37, *Rubber, vulcanized or thermoplastic — Determination of tensile stress-strain properties*

ISO 188, *Rubber, vulcanized or thermoplastic — Accelerated ageing and heat resistance tests*

ISO 1402, *Rubber and plastics hoses and hose assemblies — Hydrostatic testing*

ISO 1817, *Rubber, vulcanized or thermoplastic — Determination of the effect of liquids*

ISO 4023:2009, *Rubber hoses and hose assemblies for steam — Test methods*

ISO 4649:2017, *Rubber, vulcanized or thermoplastic — Determination of abrasion resistance using a rotating cylindrical drum device*

ISO 4671, *Rubber and plastics hoses and hose assemblies — Methods of measurement of the dimensions of hoses and the lengths of hose assemblies*

ISO 7326:2016, *Rubber and plastics hoses — Assessment of ozone resistance under static conditions*

ISO 8031:2020, *Rubber and plastics hoses and hose assemblies — Determination of electrical resistance and conductivity*

ISO 8033, *Rubber and plastics hoses — Determination of adhesion between components*

ISO 8330, *Rubber and plastics hoses and hose assemblies — Vocabulary*

ISO 10619-1:2017, *Rubber and plastics hoses and tubing — Measurement of flexibility and stiffness — Part 1: Bending tests at ambient temperature*

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