SLOVENSKI STANDARD
SIST EN ISO 14557:2021

01-september-2021

Nadomešča:
SIST EN ISO 14557:2003
SIST EN ISO 14557:2003/A1:2008

Gasilske cevi - Gumene in polimerne sesalne cevi in cevni priključki (ISO 14557:2021)

Fire-fighting hoses - Rubber and plastics suction hoses and hose assemblies (ISO 14557:2021)

Feuerlöschschläuche - Saugschläuche aus Gummi und Kunststoff (ISO 14557:2021)

Tuyaux de lutte contre l'incendie - Tuyaux d'aspiration et flexibles en caoutchouc et en plastique (ISO 14557:2021)

Ta slovenski standard je istoveten z: **EN ISO 14557:2021**

ICS:

13.220.10	Gašenje požara	Fire-fighting
23.040.70	Gumene cevi in armature	Hoses and hose assemblies

SIST EN ISO 14557:2021 **en**

EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

EN ISO 14557

May 2021

ICS 13.220.10; 83.140.40

Supersedes EN ISO 14557:2002

English Version

Fire-fighting hoses - Rubber and plastics suction hoses and hose assemblies (ISO 14557:2021)

Tuyaux de lutte contre l'incendie - Tuyaux d'aspiration et flexibles en caoutchouc et en plastique (ISO 14557:2021)

Feuerlöschschläuche - Saugschläuche aus Gummi und Kunststoff (ISO 14557:2021)

This European Standard was approved by CEN on 4 April 2021.

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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

Contents

Page

European foreword

This document (EN ISO 14557:2021) has been prepared by Technical Committee ISO/TC 45 "Rubber and rubber products" in collaboration with Technical Committee CEN/TC 192 “Fire and Rescue Service Equipment” 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of an identical text or by endorsement, at the latest by November 2021, and conflicting national standards shall be withdrawn at the latest by November 2021.

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 14557:2002.

According to the CEN-CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Republic of North Macedonia, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

Endorsement notice

The text of ISO 14557:2021 has been approved by CEN as EN ISO 14557:2021 without any modification.

INTERNATIONAL STANDARD

ISO 14557

Second edition
2021-04

Fire-fighting hoses — Rubber and plastics suction hoses and hose assemblies

Tuyaux de lutte contre l'incendie — Tuyaux d'aspiration et flexibles en caoutchouc et en plastique

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Contents

Page

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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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.

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 192, *Fire and Rescue Service Equipment*, in accordance with the Agreement on technical cooperation between ISO and CEN (Vienna Agreement).

This second edition cancels and replaces the first edition (ISO 14557:2002), which has been technically revised. It also incorporates the Amendment ISO 14557:2002/Amd.1:2007.

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

— pressure units in bar were added throughout the document, as needed;

— Clause 2 (Normative references) was updated;

— UV resistance requirement was added in 6.7;

— Clause 7 on frequency of testing was added and all subsequent clauses were renumbered;

— Annexes A and B were added and all subsequent annexes were renumbered.

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.

Fire-fighting hoses — Rubber and plastics suction hoses and hose assemblies

1 Scope

This document establishes the requirements and test methods for rubber and plastics suction hoses for fire-fighting purposes. These hoses can also be used manually to supply unpressurized water to the pump or for water discharge.

NOTE All pressures are expressed in megapascals and in bar (1 MPa = 10 bar).

Additional requirements are specified for hose assemblies, that is, hoses with couplings already fitted, where this is carried out by the hose manufacturer (see Clause 8).

Type A (rubber) hoses are intended for use at a minimum temperature of –20 °C and Type B (thermoplastics) hoses are intended for use at a minimum temperature of –10 °C.

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 176:2005, *Plastics — Determination of loss of plasticizers — Activated carbon method*

ISO 1307, *Rubber and plastics hoses — Hose sizes, minimum and maximum inside diameters, and tolerances on cut-to-length hoses*

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

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

ISO 7233, *Rubber and plastics hoses and hose assemblies — Determination of resistance to vacuum*

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

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*

ISO 10619-2:2017, *Rubber and plastics hoses and tubing — Measurement of flexibility and stiffness — Part 2: Bending tests at sub-ambient temperatures*

ISO 30013:2011, *Rubber and plastics hoses — Methods of exposure to laboratory light sources — Determination of changes in colour, appearance and other physical properties*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in ISO 8330 apply.