



BSI Standards Publication

Plastics hoses and hose assemblies — Textile-reinforced types for hydraulic applications — Specification

National foreword

This British Standard is the UK implementation of EN ISO 3949:2020. It is identical to [ISO 3949:2020](#). It supersedes [BS EN ISO 3949:2018](#), which is withdrawn.

The UK participation in its preparation was entrusted to Technical Committee PRI/66, Rubber and plastics tubing, hoses and hose assemblies.

A list of organizations represented on this committee can be obtained on request to its committee manager.

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Published by BSI Standards Limited 2021

ISBN 978 0 539 16602 6

ICS 83.140.40; 23.100.40

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This British Standard was published under the authority of the Standards Policy and Strategy Committee on 31 August 2020.

Amendments/corrigenda issued since publication

Date	Text affected
31 January 2021	Implementation of ISO corrected text December 2020: see ISO foreword for details

English Version

Plastics hoses and hose assemblies - Textile-reinforced
types for hydraulic applications - Specification
(ISO 3949:2020)

Tuyaux et flexibles en plastique - Types
hydrauliques avec armature textile -
Spécifications (ISO 3949:2020)

Kunststoffschläuche und schlauchleitungen
- Textilverstärkte Typen für hydraulische
Anwendungen - Spezifikation (ISO 3949:2020)

This European Standard was approved by CEN on 23 June 2020.

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EUROPÄISCHES KOMITEE FÜR NORMUNG

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European foreword

This document (EN ISO 3949:2020) 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of an identical text or by endorsement, at the latest by February 2021, and conflicting national standards shall be withdrawn at the latest by February 2021.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 3949:2018.

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 3949:2020](#) has been approved by CEN as EN ISO 3949:2020 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).

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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*.

This sixth edition cancels and replaces the fifth edition ([ISO 3949:2018](http://www.iso.org/iso/3949:2018)), which has been technically revised. The changes compared to the previous edition are as follows:

- the percentage change in the volume of the lining and cover in the test with water-based fluids has been changed from 0 % and +25 % to -15 % and +35 %;
- the percentage change in the volume of the lining and cover in the test with water has been changed from -10 % and +25 % to -15 % and +35 %.

This corrected version of [ISO 3949:2020](http://www.iso.org/iso/3949:2020) incorporates the following correction:

- in [Table 6](#), the header in the third column that repeated “R7 and R8” has been corrected to “R18”.

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.