



SLOVENSKI STANDARD SIST EN ISO 15540:2002

01-januar-2002

**Ships and marine technology - Fire resistance of hose assemblies - Test methods
(ISO 15540:1999)**

Ships and marine technology - Fire resistance of hose assemblies - Test methods (ISO 15540:1999)

Schiffe und Meerestechnik - Feuerwiderstand von Schlauchleitungen - Prüfmethode
(ISO 15540:1999)

iTeh STANDARD PREVIEW
(standards.iteh.ai)

Navires et technologie marine - Résistance au feu des tuyauteries - Méthodes d'essais
(ISO 15540:1999)

[SIST EN ISO 15540:2002](https://standards.iteh.ai/catalog/standards/sist/e3547659-8bed-4334-9aa6-7a6470156417/sist-en-iso-15540-2002)

[https://standards.iteh.ai/catalog/standards/sist/e3547659-8bed-4334-9aa6-](https://standards.iteh.ai/catalog/standards/sist/e3547659-8bed-4334-9aa6-7a6470156417/sist-en-iso-15540-2002)

[7a6470156417/sist-en-iso-15540-2002](https://standards.iteh.ai/catalog/standards/sist/e3547659-8bed-4334-9aa6-7a6470156417/sist-en-iso-15540-2002)

Ta slovenski standard je istoveten z: EN ISO 15540:2001

ICS:

| | | |
|-----------|--|--|
| 13.220.40 | Sposobnost vžiga in obnašanje materialov in proizvodov pri gorenju | Ignitability and burning behaviour of materials and products |
| 47.020.30 | Sistemi cevi | Piping systems |

SIST EN ISO 15540:2002

en

iTeh STANDARD PREVIEW
(standards.iteh.ai)

[SIST EN ISO 15540:2002](#)

<https://standards.iteh.ai/catalog/standards/sist/e3547659-8bed-4334-9aa6-7a6470156417/sist-en-iso-15540-2002>

EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN ISO 15540

July 2001

ICS 47.020.30; 83.140.40

English version

**Ships and marine technology - Fire resistance of hose
assemblies - Test methods (ISO 15540:1999)**

Navires et technologie marine - Résistance au feu des
tuyauteries - Méthodes d'essais (ISO 15540:1999)

Schiffe und Meerestechnik - Feuerwiderstand von
Schlauchleitungen - Prüfmethoden (ISO 15540:1999)

This European Standard was approved by CEN on 9 June 2001.

CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration. Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the Management Centre or to any CEN member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the Management Centre has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.

SIST EN ISO 15540:2002

<https://standards.iteh.ai/catalog/standards/sist/e3547659-8bed-4334-9aa6-7a6470156417/sist-en-iso-15540-2002>



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

Management Centre: rue de Stassart, 36 B-1050 Brussels

EN ISO 15540:2001 (E)

| |
|-----------------------------|
| CORRECTED 2001-10-31 |
|-----------------------------|

Foreword

The text of the International Standard from Technical Committee ISO/TC 8 "Ships and marine technology" of the International Organization for Standardization (ISO) has been taken over as an European Standard by Technical Committee CEN/TC 300 "Sea-going vessels and marine technology", the secretariat of which is held by DIN.

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 January 2002, and conflicting national standards shall be withdrawn at the latest by January 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, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and the United Kingdom.

Endorsement notice

The text of the International Standard ISO 15540:1999 has been approved by CEN as a European Standard without any modification.

iTeh STANDARD PREVIEW
(standards.iteh.ai)

[SIST EN ISO 15540:2002](https://standards.iteh.ai/catalog/standards/sist/e3547659-8bed-4334-9aa6-7a6470156417/sist-en-iso-15540-2002)

<https://standards.iteh.ai/catalog/standards/sist/e3547659-8bed-4334-9aa6-7a6470156417/sist-en-iso-15540-2002>

INTERNATIONAL
STANDARD

ISO
15540

First edition
1999-08-01

**Ships and marine technology —
Fire resistance of hose assemblies —
Test methods**

*Navires et technologie marine — Résistance au feu des tuyauteries —
Méthodes d'essais*

iTeh STANDARD PREVIEW
(standards.iteh.ai)

[SIST EN ISO 15540:2002](https://standards.iteh.ai/catalog/standards/sist/e3547659-8bed-4334-9aa6-7a6470156417/sist-en-iso-15540-2002)

<https://standards.iteh.ai/catalog/standards/sist/e3547659-8bed-4334-9aa6-7a6470156417/sist-en-iso-15540-2002>



Reference number
ISO 15540:1999(E)

ISO 15540:1999(E)**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.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 3.

Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

International Standard ISO 15540 was prepared by Technical Committee ISO/TC 8, *Ships and marine technology*, Subcommittee SC 3, *Piping and machinery*.

Annex A forms a normative part of this International Standard.

iTeh STANDARD PREVIEW (standards.iteh.ai)

[SIST EN ISO 15540:2002](https://standards.iteh.ai/catalog/standards/sist/e3547659-8bed-4334-9aa6-7a6470156417/sist-en-iso-15540-2002)

<https://standards.iteh.ai/catalog/standards/sist/e3547659-8bed-4334-9aa6-7a6470156417/sist-en-iso-15540-2002>

© ISO 1999

All rights reserved. Unless otherwise specified, no part of this publication may be reproduced or utilized in any form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from the publisher.

International Organization for Standardization
Case postale 56 • CH-1211 Genève 20 • Switzerland
Internet iso@iso.ch

Printed in Switzerland

Introduction

The main objective of the test described in this International Standard is to determine whether and for how long a hose assembly can be exposed to fire, without becoming inoperable, e.g. without becoming untight when subjected to the envisaged working pressure. Despite the fact that the attacking fire is simulated so as to correspond to a fire occurring in practice, it cannot be assumed that the duration of resistance to fire as recorded during the test will also occur in the event of an actual fire, as the conditions of installation, which essentially affect the duration of resistance to fire, may vary from case to case.

When carried out using the test bench specified in ISO 15541, the test procedure according to this International Standard is intended to lead to results capable of being reproduced.

A specimen test certificate is specified in normative annex A.

iTeh STANDARD PREVIEW (standards.iteh.ai)

[SIST EN ISO 15540:2002](https://standards.iteh.ai/catalog/standards/sist/e3547659-8bed-4334-9aa6-7a6470156417/sist-en-iso-15540-2002)

<https://standards.iteh.ai/catalog/standards/sist/e3547659-8bed-4334-9aa6-7a6470156417/sist-en-iso-15540-2002>

iTeh STANDARD PREVIEW
(standards.iteh.ai)

[SIST EN ISO 15540:2002](#)

<https://standards.iteh.ai/catalog/standards/sist/e3547659-8bed-4334-9aa6-7a6470156417/sist-en-iso-15540-2002>

Ships and marine technology — Fire resistance of hose assemblies — Test methods

1 Scope

This International Standard specifies a test procedure for determining the fire resistance of hose assemblies with nominal diameters of at least 100 mm.

It serves for proving whether, after the period of fire effect on the test bench specified in ISO 15541, hose assemblies continue to be tight, even when subjected to proof pressure.

Only water is permitted as a test medium. With a view to ensuring maximum safety for both the operating personnel and the test bed in the event of damage to the hose during the test, the use of combustible test media is excluded.

2 Normative reference

The following normative document contains 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 edition of the normative document 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 15541:1999, *Ships and marine technology — Fire resistance of hose assemblies — Requirements for the test bench*.

3 Designation

The designation of the test for determining the fire resistance is composed of the elements quoted in the example below:

