
Small craft - Fire resistant fuel hoses (ISO 7840:1994)

Small craft - Fire resistant fuel hoses (ISO 7840:1994)

Kleine Wasserfahrzeuge - Feuerwiderstandsfähige Kraftstoffschläuche (ISO 7840:1994)

Navires de plaisance - Tuyaux souples résistants au feu, pour carburant (ISO 7840:1994)

(standards.iteh.ai)**Ta slovenski standard je istoveten z: EN ISO 7840:1995**

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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
47.080	Čolni	Small craft

SIST EN ISO 7840:2000**en**

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EUROPEAN STANDARD

EN ISO 7840

NORME EUROPÉENNE

EUROPÄISCHE NORM

April 1995

ICS 23.040.70; 47.080

Descriptors: shipbuilding, small craft, motor fuels, fire resistant materials, hoses, specifications, dimensions, tests, physical tests, fire tests, marking

English version

**Small craft - Fire resistant fuel hoses
(ISO 7840:1994)**

Navires de plaisance - Tuyaux souples résistants au feu, pour carburant - Kleine Wasserfahrzeuge - Feuerwiderstandsfähige Kraftstoffschläuche (ISO 7840:1994)

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Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the Central Secretariat or to any CEN member.

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CEN

European Committee for Standardization
Comité Européen de Normalisation
Europäisches Komitee für Normung

Central Secretariat: rue de Stassart, 36 B-1050 Brussels

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Ref. No. EN ISO 7840:1995 E

Foreword

The text of the International Standard from ISO/TC 188 "Small craft" of the International Organization for Standardization (ISO) has been taken over as a European Standard by CEN/CS.

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of an identical text or by endorsement, at the latest by October 1995, and conflicting national standards shall be withdrawn at the latest by October 1995.

This European Standard has been prepared under a Mandate given to CEN by the European Commission and the European Free Trade Association, and supports essential requirements or EC Directive(s).

According to the CEN/CENELEC Internal Regulations, the following countries are bound to implement this European Standard: Austria, Belgium, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland, United Kingdom.

Endorsement notice

The text of the International Standard ISO 7840:1994 has been approved by CEN as a European Standard without any modification.

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NOTE: Normative references to international publications are listed in annex ZA (normative).

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Annex ZA (normative)**Normative references to international publications
with their relevant European publications**

This European Standard incorporates by dated or undated reference, provisions from other publications. These normative references are cited at the appropriate places in the text and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this European Standard only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies (including amendments).

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN</u>	<u>Year</u>
ISO 7233	1991	Rubber and plastics hoses - Determination of suction resistance	EN ISO 7233	1995
ISO 7326	1991	Rubber and plastics hoses - Assessment of ozone resistance under static conditions	EN 27326	1993

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INTERNATIONAL
STANDARD

ISO
7840

Second edition
1994-12-15

Small craft — Fire-resistant fuel hoses

Navires de plaisance — Tuyaux souples résistants au feu, pour carburant

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Reference number
ISO 7840:1994(E)

ISO 7840:1994(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.

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 7840 was prepared by Technical Committee ISO/TC 188, *Small craft*.

This second edition cancels and replaces the first edition (ISO 7840:1985), of which it constitutes a technical revision.

Annexes A and B form an integral part of this International Standard.

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International Organization for Standardization
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Small craft — Fire-resistant fuel hoses

1 Scope

This International Standard specifies general requirements and physical tests for fire-resistant hoses for conveying petrol and diesel oil at low pressure, designed for a working pressure not exceeding 0,34 MPa for hoses with nominal bore up to and including 10 mm, and 0,25 MPa for hoses with a larger bore.

It applies to hoses for small craft of up to 24 m length of hull with permanently installed inboard engines.

NOTE 1 Specifications for non-fire-resistant fuel hoses are laid down in ISO 8469.

ISO 1402:1994, *Rubber and plastics hoses and hose assemblies — Hydrostatic testing.*

ISO 1817:1985, *Rubber, vulcanized — Determination of the effect of liquids.*

ISO 7233:1991, *Rubber and plastics hoses and hose assemblies — Determination of suction resistance.*

ISO 7326:1991, *Rubber and plastics hoses — Assessment of ozone resistance under static conditions.*

ISO 10088:1992, *Small craft — Permanently installed fuel systems and fixed fuel tanks.*

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2 Normative references

The following standards contain provisions which, through reference in this text, constitute provisions of this International Standard. At the time of publication, the editions indicated were valid. All standards are subject to revision, and parties to agreements based on this International Standard are encouraged to investigate the possibility of applying the most recent editions of the standards indicated below. Members of IEC and ISO maintain registers of currently valid International Standards.

ISO 1307:1992, *Rubber and plastics hoses for general-purpose industrial applications — Bore diameters and tolerances, and tolerances on length.*

3 General requirements

Hoses complying with this International Standard shall present a smooth inner surface, free from pores, other defects and chemical contaminants.

The nominal bore shall be in accordance with ISO 1307. Hoses shall demonstrate suitability for marine use by complying with the requirements of the tests in clause 5. They shall be marked according to clause 6.

4 Nominal bore

Table 1 gives some nominal bores, based on the R 10 series in ISO 3¹⁾. Tolerances shall be as indicated in table 1 or conform to ISO 1307.

1) ISO 3:1973, *Preferred numbers — Series of preferred numbers.*