

Plastics hoses and hose assemblies for suction and low-pressure discharge of petroleum liquids - Specification (ISO 6808:1999)

Plastics hoses and hose assemblies for suction and low-pressure discharge of petroleum liquids - Specification (ISO 6808:1999)

Kunststoffschläuche und -schlauchleitungen für das Ansaugen und Fördern von Flüssigkeiten aus Erdöl bei niedrigem Druck - Spezifikation (ISO 6808:1999)

Tuyaux et flexibles en plastique pour aspiration et refoulement basse pression des liquides pétroliers - Spécifications (ISO 6808:1999)

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Ta slovenski standard je istoveten z: EN ISO 6808:2000

ICS:

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83.140.40	Gumene cevi	Hoses

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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN ISO 6808

April 2000

ICS 75.200; 83.140.40

English version

Plastics hoses and hose assemblies for suction and low-
pressure discharge of petroleum liquids - Specification (ISO
6808:1999)

Tuyaux et flexibles en plastique pour aspiration et
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Ansaugen und Fördern von Flüssigkeiten aus Erdöl bei
niedrigem Druck - Spezifikation (ISO 6808:1999)

This European Standard was approved by CEN on 7 March 2000.

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 Central Secretariat 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 Central Secretariat 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.

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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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Foreword

The text of the International Standard from Technical Committee ISO/TC 45 "Rubber and rubber products" of the International Organization for Standardization (ISO) has been taken over as an European Standard by 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 October 2000, and conflicting national standards shall be withdrawn at the latest by October 2000.

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 6808:1999 has been approved by CEN as a European Standard without any modification.

NOTE: Normative references to International Standards 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.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN</u>	<u>Year</u>
ISO 176	1976	Plastics - Determination of loss of plasticizers - Activated carbon method	EN ISO 176	1999
ISO 527-3	1995	Plastics - Determination of tensile properties - Part 3: Test conditions for films and sheets	EN ISO 527-3	1995
ISO 868	1985	Plastics and ebonite - Determination of indentation hardness by means of a durometer (Shore hardness)	EN ISO 868	1997
ISO 1307	1992	Rubber and plastics hoses for general-purpose industrial applications - Bore diameters and tolerances, and tolerances on length	EN ISO 1307	1995
ISO 1402	1994	Rubber and plastics hoses and hose assemblies - Hydrostatic testing	EN ISO 1402	1996
ISO 1746	1983	Rubber or plastics hoses and tubing - Bending tests	EN 21746	1993
ISO 4672	1997	Rubber and plastics hoses - Sub-ambient temperature flexibility tests	EN ISO 4672	1999
ISO 7233	1991	Rubber and plastics hoses and hose assemblies - Determination of suction resistance	EN ISO 7233	1995
ISO 7751	1991	Rubber and plastics hoses and hose assemblies - Ratios of proof and burst pressure to design working pressure	EN ISO 7751	1997
ISO 8031	1993	Rubber and plastics hoses and hose assemblies - Determination of electrical resistance	EN ISO 8031	1997

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INTERNATIONAL STANDARD

**ISO
6808**

Second edition
1999-02-01

Plastics hoses and hose assemblies for suction and low-pressure discharge of petroleum liquids — Specification

*Tuyaux et flexibles en plastique pour aspiration et refoulement basse
pression des liquides pétroliers — Spécifications*

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Reference number
ISO 6808:1999(E)

ISO 6808:1999(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.

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 6808 was prepared by Technical Committee ISO/TC 45, *Rubber and rubber products*, Subcommittee SC 1, *Hoses (rubber and plastics)*.

This second edition cancels and replaces the first edition (ISO 6808:1984), which has been technically revised.

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Introduction

This International Standard has been prepared to provide minimum acceptable requirements for the satisfactory performance of polymer-reinforced thermoplastics hoses for suction and discharge applications, conveying kerosene, heating oil, diesel fuel and lubricating oils. These hoses are not suitable for conveying automotive or aviation fuel, nor for metered delivery of any liquid.

The list of nominal bores given in Tables 1 and 2 is not intended to be restrictive and will not preclude the manufacture of sizes outside the preferred-number range (the basis of the tables) and which may be the subject of individual national standards.

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Plastics hoses and hose assemblies for suction and low-pressure discharge of petroleum liquids — Specification

WARNING — Persons using this International Standard should be familiar with normal laboratory practice. This standard does not purport to address all of the safety problems, if any, associated with its use. It is the responsibility of the user to establish appropriate safety and health practices and to ensure compliance with any national regulatory conditions.

1 Scope

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This International Standard specifies the requirements for two types of polymer-reinforced thermoplastics hose and hose assembly for suction and discharge applications with kerosene, heating oil, diesel fuel and lubricating oils in the temperature range -10 °C to $+45\text{ °C}$.

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NOTE The hoses can be stored in a static condition at -30 °C to $+65\text{ °C}$ without damage by climatic conditions.

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2 Normative references

The following normative documents contain 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 editions of the normative documents 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 3:1973, *Preferred numbers — Series of preferred numbers*.

ISO 176:1976, *Plastics — Determination of loss of plasticizers — Activated carbon method*.

ISO 188:1998, *Rubber, vulcanized or thermoplastic — Accelerated ageing and heat resistance tests*.

ISO 471:1995, *Rubber — Temperatures, humidities and times for conditioning and testing*.

ISO 527-3:1995, *Plastics — Determination of tensile properties — Part 3: Test conditions for films and sheets*.

ISO 868:1985, *Plastics and ebonite — Determination of indentation hardness by means of a durometer (Shore hardness)*.

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