



**SLOVENSKI STANDARD**  
**SIST EN ISO 6806:2000**  
**01-december-2000**

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Rubber hoses and hose assemblies for use in oil burners - Specification (ISO 6806:1992)

Gummischläuche und Schlauchleitungen für den Einsatz in Ölbrennern - Anforderung (ISO 6806:1992)

**iTeh STANDARD PREVIEW**  
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Tuyaux et flexibles en caoutchouc pour bruleurs - Spécifications (ISO 6806:1992)

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**Ta slovenski standard je istoveten z: EN ISO 6806:1995**

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**ICS:**

23.040.70      Gumene cevi in armature      Hoses and hose assemblies

**SIST EN ISO 6806:2000**

**en**

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EUROPEAN STANDARD

EN ISO 6806

NORME EUROPÉENNE

EUROPÄISCHE NORM

December 1995

ICS 27.060.10; 83.140

Descriptors: rubber products, hoses, rubber hoses, specifications, dimensions, dimensional tolerances, tests, marking, oil burners

English version

**Rubber hoses and hose assemblies for use in oil  
burners - Specification (ISO 6806:1992)**Tuyaux et flexibles en caoutchouc pour brûleurs  
- Spécifications (ISO 6806:1992)Gummischläuche und Schlauchleitungen für den  
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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 6806:1995 E

## Foreword

The text of the International Standard from ISO/TC 45 "Rubber and rubber products" of the International Organization for Standardization (ISO) has been taken over as a European Standard by the Technical Committee CEN/TC 218 "Rubber and plastics hoses and hose assemblies".

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by publication of an identical text or by endorsement, at the latest by June 1996, and conflicting standards shall be withdrawn at the latest by June 1996.

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 and the United Kingdom.

## Endorsement notice

The text of the International Standard ISO 6806:1992 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 (including amendments).

Publication	Year	Title	EN	Year
ISO 4671	1984	Rubber and plastics hose and hose assemblies - Methods of measurement of dimensions	EN 24671	1993
ISO 4672	1988	Rubber and plastics hoses - Sub-ambient temperature flexibility tests	EN 24672	1993
ISO 7326	1991	Rubber and plastics hoses - Assessment of ozone resistance under static conditions	EN 27326	1993

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# INTERNATIONAL STANDARD

**ISO  
6806**

Second edition  
1992-07-01

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## Rubber hoses and hose assemblies for use in oil burners — Specification

**iTeh STANDARD PREVIEW**  
*Tuyaux et flexibles en caoutchouc pour brûleurs — Spécifications*  
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Reference number  
ISO 6806:1992(E)

## ISO 6806:1992(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 6806 was prepared by Technical Committee ISO/TC 45, *Rubber and rubber products*, Sub-Committee SC 1, *Hoses (rubber and plastics)*.

This second edition cancels and replaces the first edition (ISO 6806:1984), clauses 1 and 2, tables 3 and 4, sub-clause 6.2 and annex C of which have been technically revised.

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

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International Organization for Standardization  
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# Rubber hoses and hose assemblies for use in oil burners — Specification

## 1 Scope

This International Standard specifies the minimum requirements for rubber hoses and hose assemblies for use in oil burners.

Two types of hose assembly are specified:

- Type 1: Hose assemblies for flux and reflux, but not for insertion between the oil burner pump and the atomizing connection; maximum working pressure 1,0 MPa (10 bar); maximum oil temperature 100 °C.
- Type 2: Hose assemblies for insertion between the oil burner pump and the atomizing connection; working pressure 4,0 MPa (40 bar); maximum oil temperature 100 °C.

NOTE 1 The hose assemblies specified in this International Standard should not be used, without special assessment, for purposes other than oil burner installations.

## 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 37:1977, *Rubber, vulcanized — Determination of tensile stress-strain properties.*

ISO 48:1979, *Vulcanized rubbers — Determination of hardness (Hardness between 30 and 85 IRHD).*

ISO 188:1982, *Rubber, vulcanized — Accelerated ageing or heat-resistance tests.*

ISO 1307:1983, *Rubber and plastics hoses — Bore diameters and tolerances on length.*

ISO 1402:1984, *Rubber and plastics hoses and hose assemblies — Hydrostatic testing.*

ISO 1436:1991, *Rubber hoses and hose assemblies — Wire-reinforced hydraulic type — Specification.*

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

ISO 4671:1984, *Rubber and plastics hose and hose assemblies — Methods of measurement of dimensions.*

ISO 4672:1988, *Rubber and plastics hoses — Sub-ambient temperature flexibility tests.*

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

## 3 Construction

Hoses in accordance with this International Standard shall consist of either

- a) an internally smooth rubber lining and an external corrosion-resistant metal braid; or
- b) an internally smooth rubber lining, a reinforcement consisting of one or more layers of textile or corrosion-resistant metal braid and a rubber outer cover.

The hoses shall be fitted with permanently attached couplings.

Both the couplings and the metal braid shall be provided with suitable corrosion protection. The metals used shall not have any deleterious effects on the rubber components.