



SLOVENSKI STANDARD SIST EN ISO 6806:2014

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Nadomešča:
SIST EN ISO 6806:2000

Gumene cevi in cevni priključki za oljne gorilnike - Specifikacija (ISO 6806:2014)

Rubber hoses and hose assemblies for use in oil burners - Specification (ISO 6806:2014)

Gummischläuche und Schlauchleitungen für den Einsatz in Ölbrennern - Anforderung (ISO 6806:2014)

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Tuyaux et flexibles en caoutchouc pour brûleurs - Spécifications (ISO 6806:2014)

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ICS:

27.060.10	Gorilniki na tekoče in trdo gorivo	Liquid and solid fuel burners
83.140.40	Gumene cevi	Hoses

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EUROPEAN STANDARD

EN ISO 6806

NORME EUROPÉENNE

EUROPÄISCHE NORM

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English Version

Rubber hoses and hose assemblies for use in oil burners - Specification (ISO 6806:2014)

Tuyaux et flexibles en caoutchouc pour brûleurs -
Spécifications (ISO 6806:2014)

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Ölbrennern - Anforderung (ISO 6806:2014)

This European Standard was approved by CEN on 7 June 2014.

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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 CEN-CENELEC Management Centre has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and United Kingdom.

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

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Contents

Page

Foreword.....3

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Foreword

This document (EN ISO 6806:2014) 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 March 2015, and conflicting national standards shall be withdrawn at the latest by March 2015.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN [and/or CENELEC] shall not be held responsible for identifying any or all such patent rights.

This document supersedes EN ISO 6806:1995.

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, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

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INTERNATIONAL
STANDARD

ISO
6806

Third edition
2014-09-15

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

Tuyaux et flexibles en caoutchouc pour brûleurs — Spécifications

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Contents

	Page
Foreword.....	iv
1 Scope	1
2 Normative references	1
3 Construction	1
4 Dimensions and tolerances	2
4.1 Inside diameter.....	2
4.2 Bend radii.....	2
4.3 Thickness of lining and cover.....	2
5 Physical requirements for lining and cover	2
6 Physical requirements for hoses and hose assemblies	3
6.1 Hydrostatic tests.....	3
6.2 Oil swell.....	3
6.3 External pressure test.....	3
6.4 Low-temperature flexibility.....	4
6.5 Flammability.....	4
6.6 Ozone resistance (cover only).....	4
6.7 Impulse test.....	4
7 Frequency of testing	4
8 Type tests	4
9 Marking	4
Annex A (normative) Test frequency	5
Annex B (informative) Production tests	6
Annex C (normative) Determination of oil swell	7
Annex D (normative) Determination of resistance to external pressure	8
Annex E (normative) Determination of flammability	9
Annex F (normative) Pressure impulse test	11
Bibliography	12

ISO 6806:2014(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.

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).

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights. Details of any patent rights identified during the development of the document will be in the Introduction and/or on the ISO list of patent declarations received (see www.iso.org/patents).

Any trade name used in this document is information given for the convenience of users and does not constitute an endorsement.

For an explanation on the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the WTO principles in the Technical Barriers to Trade (TBT) see the following URL: Foreword - Supplementary information

The committee responsible for this document is ISO/TC 45, Rubber and rubber products, Subcommittee SC 1, Hoses (rubber and plastics).

This third edition cancels and replaces the second edition (ISO 6806:1992), of which it constitutes a minor revision.

The following changes (mainly editorial) were made as required to bring the standard up to date.

- [Clause 2](#) (Normative references) has been updated where necessary. Reference to ISO 4672 has been replaced by ISO 10619-2 and the new titles of ISO 1307, ISO 1436 and ISO 4671 have been quoted.
- Wherever necessary the terminology has been amended to conform to ISO 8330.
- New [Clause 7](#) (Frequency of testing) and [Clause 8](#) (Type tests) have been introduced; new [Annexes A](#) and [B](#) ([Tables A.1](#) and [B.1](#)) have been introduced to standardize the frequency of the tests already required in the previous edition (ISO 6806:1992).
- [Clause 9](#) (Marking) has been amended (maximum working pressure and date of publication of this International Standard to be marked on hose).
- No technical changes from requirements already specified in the second edition (ISO 6806:1992) have been made.

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.

The following 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 The hose assemblies specified in this International Standard are not intended to be used, without special assessment, for purposes other than oil burner installations.

2 Normative references

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 37, *Rubber, vulcanized or thermoplastic — Determination of tensile stress-strain properties*

ISO 48, *Rubber, vulcanized or thermoplastic — Determination of hardness (hardness between 10 IRHD and 100 IRHD)*

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

ISO 1307, *Rubber and plastics hoses — Hose sizes, minimum and maximum inside diameters, and tolerances on cut-to-length hoses*

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

ISO 1436, *Rubber hoses and hose assemblies — Wire-braid-reinforced hydraulic types for oil-based or water-based fluids — Specification*

ISO 1817, *Rubber, vulcanized or thermoplastic — Determination of the effect of liquids*

ISO 4671, *Rubber and plastics hoses and hose assemblies — Methods of measurement of the dimensions of hoses and the lengths of hose assemblies*

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

ISO 10619-2:2011, *Rubber and plastics hoses and tubing — Measurement of flexibility and stiffness — Part 2: Bending tests at sub-ambient temperatures*

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