



SLOVENSKI STANDARD
SIST EN ISO 10806:2004
01-september-2004

Cevovod – Fitingi/Spojniki za valovite kovinske cevi (ISO 10806:2003)*

Pipework - Fittings for corrugated metal hoses (ISO 10806:2003)

Rohrleitungen - Anschlusssteile für gewellte Metallschläuche (ISO 10806:2003)

Tuyauteries - Raccords pour tuyaux métalliques flexibles onduleux (ISO 10806:2003)

Ta slovenski standard je istoveten z: EN ISO 10806:2003

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ICS:

23.040.70 Gumene cevi in armature Hoses and hose assemblies

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en

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EUROPEAN STANDARD

EN ISO 10806

NORME EUROPÉENNE

EUROPÄISCHE NORM

November 2003

ICS 23.040.70

English version

Pipework - Fittings for corrugated metal hoses (ISO 10806:2003)

Tuyauteries - Raccords pour tuyaux métalliques flexibles
onduleux (ISO 10806:2003)

Rohrleitungen - Anschlusssteile für gewellte Metallschläuche
(ISO 10806:2003)

This European Standard was approved by CEN on 21 October 2003.

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, Hungary, Iceland, Ireland, Italy, Luxembourg, Malta, Netherlands, Norway, Portugal, Slovakia, Spain, Sweden, Switzerland and United Kingdom.

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

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

EN ISO 10806:2003 (E)

CORRECTED 2003-12-17

Foreword

This document (EN ISO 10806:2003) has been prepared by Technical Committee ISO/TC 5 "Ferrous metal pipes and metallic fittings" in collaboration with Technical Committee CEN/TC 342 "Metal hoses, hose assemblies, bellows and expansion joints", the secretariat of which is held by UNI.

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 May 2004, and conflicting national standards shall be withdrawn at the latest by May 2004.

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, Hungary, Iceland, Ireland, Italy, Luxembourg, Malta, Netherlands, Norway, Portugal, Slovakia, Spain, Sweden, Switzerland and the United Kingdom.

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The text of ISO 10806:2003 has been approved by CEN as EN ISO 10806:2003 without any modifications.

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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).

NOTE Where an International Publication has been modified by common modifications, indicated by (mod.), the relevant EN/HD applies.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN</u>	<u>Year</u>
ISO 228-1	2000	Pipe threads where pressure-tight joints are not made on the threads - Part 1: Dimensions, tolerances and designation	EN ISO 228-1	2003
ISO 10380	2003	Pipework - Corrugated metal hoses and hose assemblies	EN ISO 10380	2003

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INTERNATIONAL
STANDARD

ISO
10806

Second edition
2003-11-15

**Pipework — Fittings for corrugated metal
hoses**

Tuyauteries — Raccords pour tuyaux métalliques flexibles onduleux

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Reference number
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ISO 10806:2003(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 2.

The main task of technical committees is to prepare International Standards. 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.

ISO 10806 was prepared by Technical Committee ISO/TC 5, *Ferrous metal pipes and metallic fittings*, Subcommittee SC 11, *Metal hoses and expansion joints*.

This second edition cancels and replaces the first edition (ISO 10806:1994), which has been technically revised.

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ISO 10806:2003(E)**Introduction**

It was decided to produce a standard under the Vienna agreement on technical cooperation between ISO and the European Committee for Standardization (CEN) in order to maintain one standard. The opportunity was taken to add additional information not available for the first edition of ISO 10806.

The major changes are:

- addition of a clause on design;
- revision of the type descriptions and the symbols;
- addition of conical nipples and adaptors;
- addition of three series of fixed flanges;
- deletion of the PN 16 loose plate flange series.

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Pipework — Fittings for corrugated metal hoses

1 Scope

This International Standard specifies the characteristics of fittings for corrugated metal hose conforming with the requirements of ISO 10380.

This International Standard is also valid for other fittings provided they meet the material, design, assembly and test requirements specified herein.

2 Normative references

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

ISO 7-1, *Pipe threads where pressure-tight joints are made on the threads — Part 1: Dimensions, tolerances and designation*

ISO 228-1, *Pipe threads where pressure-tight joints are not made on the threads — Part 1: Dimensions, tolerances and designation*

ISO 724, *ISO general-purpose metric screw threads — Basic dimensions*

ISO 4144, *Pipework — Stainless steel fittings threaded in accordance with ISO 7-1*

ISO 4145, *Non alloy steel fittings threaded to ISO 7-1*

ISO 4200:1991, *Plain end steel tubes, welded and seamless — General tables of dimensions and masses per unit length*

ISO 6761, *Steel tubes — Preparation of ends of tubes and fittings for welding*

ISO 7005-1:1992, *Metallic flanges — Part 1: Steel flanges*

ISO 7268, *Pipe components — Definition of nominal pressure*

ISO 7369, *Pipework — Metal hoses and hose assemblies — Vocabulary*

ISO 10380:2003, *Pipework — Corrugated metal hoses and hose assemblies*

EN 1092-1:2001, *Flanges and their joints — Circular flanges for pipes, valves, fittings and accessories, PN designated — Part 1: Steel flanges*

EN 1333, *Pipework components — Definition and selection of PN*

ISO 10806:2003(E)**3 Terms and definitions**

For the purposes of this document, the terms and definitions given in ISO 7369 apply.

4 Information to be supplied by the purchaser

4.1 The purchaser shall state the following in enquiries and orders:

- a) intended application;
- b) nominal size;
- c) maximum operating pressure;
- d) materials of construction;
- e) temperature range;
- f) type of fitting
 - 1) as specified in Table 1, or
 - 2) as specified by the purchaser.

4.2 Depending on the application, the purchaser shall provide

- a) product to be conveyed;
- b) any special information concerning choice of materials;
- c) requirements for test certificates;
- d) any special requirements for packaging.

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5 Requirements**5.1 Classification**

Fittings are classified as follows:

- a) welded screwed,
- b) welded stub,
- c) welded flanged,
- d) adaptors, and
- e) those specified in Table 1.