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**Pipework — Fittings for corrugated metal  
hoses**

*Tuyauteries — Raccords pour tuyaux métalliques flexibles onduleux*



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## 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.

## 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*