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

*Tuyauteries — Raccords en acier inoxydable, filetés conformément à
l'ISO 7-1*



Reference number
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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.

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.

ISO 4144 was prepared by Technical Committee ISO/TC 5, *Ferrous metal pipes and metallic fittings*, Subcommittee SC 5, *Threaded or plain end butt-welding fittings, threads, gauging of threads*.

This second edition cancels and replaces the first edition (ISO 4144:1979), which has been technically revised.

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Introduction

ISO 4144 has been used worldwide since its publication in 1979. Precision casting technologies have begun to be applied to the production of stainless steel castings.

Dimensions of stainless steel fittings are considerably reduced by the introduction of the new casting technologies, which offer economical advantage and high profitability of the industry.

Another important issue to be considered in ISO standardization is the requirement of pressure-temperature ratings.

Furthermore, six new types of stainless steel fittings, such as 45° elbows, male and female elbows, crosses, etc., have been added to the ten conventional types of fittings specified in ISO 4144:1979.