INTERNATIONAL STANDARD

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Fourth edition 2018-02

Steel flat products for pressure purposes — Technical delivery conditions —

Part 1: **General requirements**

Produits plats en acier pour service sous pression — Conditions techniques de livraison —

Partie 1: Exigences générales



ISO 9328-1:2018(E)



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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.

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).

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For an explanation on the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT) see the following URL: www.iso.org/iso/foreword.html.

This document was prepared by Technical Committee ISO/TC 17, *Steel*, Subcommittee SC 10, *Steel for pressure purposes*.

This fourth edition cancels and replaces the third edition (ISO 9328-1:2011), which has been technically revised. The following changes have been made:

- all designations concerning thickness have been changed to "nominal thickness";
- the thickness for test pieces for impact testing has been increased to 12 mm throughout;
- some references have been moved to the Bibliography;
- the content of the document has been generally updated.

A list of all the parts in the ISO 9328 series can be found on the ISO website.

Steel flat products for pressure purposes — Technical delivery conditions —

Part 1:

General requirements

1 Scope

This document specifies the general technical delivery conditions for steel flat products (plate/sheet and strip) used principally for the construction of pressure equipment.

The general technical delivery requirements of ISO 404 also apply to products supplied in accordance with this document.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements 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 148-1, Metallic materials — Charpy pendulum impact test — Part 1: Test method

ISO 377, Steel and steel products — Location and preparation of samples and test pieces for mechanical testing

ISO 404, Steel and steel products — General technical delivery requirements

ISO 2566-1, Steel — Conversion of elongation values — Part 1: Carbon and low alloy steels

ISO 2566-2, Steel — Conversion of elongation values — Part 2: Austenitic steels

ISO 3651-2, Determination of resistance to intergranular corrosion of stainless steels — Part 2: Ferritic, austenitic and ferritic-austenitic (duplex) stainless steels — Corrosion test in media containing sulfuric acid

ISO 4885, Ferrous products — Heat treatments — Vocabulary

ISO 4948-1, Steels — Classification — Part 1: Classification of steels into unalloyed and alloy steels based on chemical composition

ISO 4948-2, Steels — Classification — Part 2: Classification of unalloyed and alloy steels according to main quality classes and main property or application characteristics

ISO/TS 4949, Steel names based on letter symbols

ISO 6892-1, Metallic materials — Tensile testing — Part 1: Method of test at room temperature

ISO 6892-2, Metallic materials — Tensile testing — Part 2: Method of test at elevated temperature

ISO 6929, Steel products — Vocabulary

ISO 7452, Hot-rolled steel plates — Tolerances on dimensions and shape

ISO 7778, Through-thickness characteristics for steel products

ISO 7788, Steel — Surface finish of hot-rolled plates and wide flats — Delivery requirements