

Steels for simple pressure vessels — Technical delivery requirements for plates, strips and bars

The European Standard EN 10207 : 1992 with the incorporation of its amendment A1 : 1997 has the status of a British Standard

ICS 77.140.30

National foreword

This British Standard is the English language version of EN 10207 : 1991 including amendment A1 : 1997.

The UK participation in its preparation was entrusted to Technical Committee ISM/73, Steels for pressure purposes, which has the responsibility to:

- aid enquirers to understand the text;
- present to the responsible European committee any enquiries on the interpretation, or proposals for change, and keep the UK interests informed;
- monitor related international and European developments and promulgate them in the UK.

A list of organizations represented on this committee can be obtained on request to its secretary.

Cross-references

The British Standards which implement international or European publications referred to in this document may be found in the BSI Standards Catalogue under the section entitled 'International Standards Correspondence Index, or by using the 'Find' facility of the BSI Standards Electronic Catalogue.

Compliance with a British Standard does not of itself confer immunity from legal obligations.

Summary of pages

This document comprises a front cover, an inside front cover, the EN title page, pages 2 to 14, an inside back cover and a back cover. All pages are issue 2.

This British Standard, having been prepared under the direction of the Iron and Steel Standards Policy Committee, was published under the authority of the Standards Board and comes into effect on 1 April 1992

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Amendments issued since publication

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Descriptors: Iron- and steel products, metal bars metal plates, steels strips, steels, pressure vessels, delivery conditions

English version

Steels for simple pressure vessels — Technical delivery requirements for plates, strips and bars

(includes amendment A1 : 1997)

Aciers pour appareils à pression simple —
Conditions techniques de livraison des tôles,
bandes et barres
(inclut l'amendement A1 : 1997)

Stähle für einfache Druckbehälter — Technische
Lieferbedingungen für Blech, Band und Stabstahl
(enthält Änderung A1 : 1997)

This European Standard was approved by CEN on 30 November 1991. 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 Central Secretariat 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 Central Secretariat has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.

CEN

European Committee for Standardization
Comité Européen de Normalisation
Europäisches Komitee für Normung

Central Secretariat: rue de Stassart 36, B-1050 Brussels

Foreword

This European Standard has been drawn up by Technical Committee ECISS/TC 22 Steels for pressure purposes' for the reasons given in clause 1.

ECISS/TC 22 accepted this document in its meeting in February 1990. The following ECISS member bodies were represented at that meeting: Austria, Belgium, France, Germany, Italy, Norway, Sweden and UK.

This European Standard EN 10207 was approved by CEN on 26 September 1991.

According to the CEN/CENELEC Internal Regulations, the following countries are bound to implement this European Standard: Austria, Belgium, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland, United Kingdom.

Foreword to amendment A1

This Amendment EN 10207 : 1991/A1 : 1997 to EN 10207 : 1991 has been prepared by Technical Committee ECISS/TC 22, Steels for pressure purposes — Qualities, the secretariat of which is held by DIN.

This Amendment to the EN 10207 : 1991 shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by January 1998, and conflicting national standards shall be withdrawn at the latest by January 1998.

In its meeting of 1995-03-03 ECISS/TC 22 decided to prepare an Amendment of EN 10207 in order to work in the new designations according to EN 10027-1 and CR 10260 as well as the steel numbers according to EN 10027-2. It is intended to check in 1997 if EN 10207 will be revised.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this Amendment: Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and the United Kingdom.

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NOTE. The clauses marked with a point (•) contain information relating to agreements which are to be made on ordering. The clause marked with two points (••) contain information regarding agreements which may be made on ordering.

1 Scope

1.1 This European Standard has been established in order to provide complete technical delivery conditions for flat products and bars made of steel which must comply with the specifications for pressurized parts in simple pressure vessels as defined in the Directive 87/404/EEC/EEC (see annex A) and standardized in EN 286.

1.2 The general technical delivery conditions of EN 10021 also apply to deliveries in accordance with this European Standard.

2 Normative references

This European Standard incorporates by dated or undated reference provisions from other publications. These normative references are cited at the appropriate points in the text and the publications are listed hereafter. Subsequent amendments to, or revisions of, any of these publications apply to this European Standard only when incorporated in it by amendment or revision. In the case of undated references, the most recent edition of the publication referred to applies.

DIRECTIVE *Council directive of 25 June 1987
87/404/EEC* *on the harmonization of the laws
of the Member States relating to
simple pressure vessels*

EN 286-1 *Simple unfired pressure vessels
designed to contain air or
nitrogen — Part 1: Design,
manufacture and testing*

EN 10002-1 *Metallic materials — Tensile
testing — Part 1: Method of testing
(at ambient temperature)*

EN 10002-5 *Metallic materials — Tensile
testing — Part 5: Method of testing
at elevated temperature*

EN 10020 *Definition and classification of
grades of steel*

EN 10021 *General technical delivery
requirements for steel and iron
products*

EN 10027-1 *Designation systems for steels —
Part 1: Steel names, principal
symbols*

EN 10027-2 *Designation systems for steels —
Part 2: Numerical system*

EN 10029 *Hot rolled steel plates 3 mm thick
or above — Tolerances on
dimensions, shape and mass*

EN 10045-1 *Metallic materials — Charpy
impact test — Part 1: Test method*

EN 10048¹⁾ *Hot rolled narrow steel strip;
tolerances on dimensions and
shape*

EN 10051 *Continuously hot rolled uncoated
sheet and strip of non-alloy and
alloy steels — Tolerances on
dimensions and shape*

EN 10052 *Vocabulary of heat treatment terms
for ferrous products*

EN 10079 *Definitions of steel products*

EN 10160¹⁾ *Ultrasonic testing of steel flat
products of thickness equal to or
greater than 6 mm (reflection
method)*

EN 10204 *Metallic products — Types of
inspection documents*

EN 10221 *Surface quality classes for
hot-rolled bars and rods —
Technical delivery conditions*

EN ISO 377¹⁾ *Steel and steel products —
Location and preparation of test
pieces for mechanical testing*

EURONORM 58²⁾ *Hot rolled flats for general
purposes*

EURONORM 59²⁾ *Hot rolled square bars for general
purposes*

EURONORM 60²⁾ *Hot rolled round bars for general
purposes*

EURONORM 61²⁾ *Hot rolled steel hexagons*

EURONORM 168²⁾ *Iron and steel products —
Inspection documents — Contents*

ISO 14284 *Steel and iron — Sampling and
preparation of samples for the
determination of chemical
composition*

CR 10260 *Designation systems for steel —
Additional symbols for steel names
(CEN-Report)*

¹⁾ In preparation; until this document is published as European Standard the corresponding national standard should be agreed at the time of enquiry and order

²⁾ Until this EURONORM is transformed into a European Standard, this EURONORM or a corresponding national standard may be applied, depending on the agreement at the time of enquiry and order (see annex A).