



NSAI
Standards

Irish Standard
I.S. EN 10272:2016&LC:2016

Stainless steel bars for pressure purposes

I.S. EN 10272:2016&LC:2016

Incorporating amendments/corrigenda/National Annexes issued since publication:

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I.S. xxx: Irish Standard — national specification based on the consensus of an expert panel and subject to public consultation.

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SWiFT xxx: A rapidly developed recommendatory document based on the consensus of the participants of an NSAI workshop.

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National Foreword

I.S. EN 10272:2016&LC:2016 is the adopted Irish version of the European Document EN 10272:2016, Stainless steel bars for pressure purposes

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In line with international standards practice the decimal point is shown as a comma (,) throughout this document.

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Correction Notice

Reference: EN 10272:2016

Title: Stainless steel bars for pressure purposes

Work Item: EC107050

Brussels, 2016-07-27

please include the following minor editorial correction(s) in the document related to:

the following language version(s) :

- English
- French
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for the following procedure :

- PQ/UQ
- Enquiry
- 2nd Enquiry
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- UAP
- TC Approval
- 2nd TC Approval
- Publication
- Parallel Publication

It has been brought to our attention that this document, issued on 2016-07-13, requires modification.

- 1) In the Foreword, delete the third paragraph.
- 2) Replace the entire text of the Introduction with the new one.

Please find enclosed the updated English version.

We apologise for any inconvenience this may cause.

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EUROPEAN STANDARD

EN 10272

NORME EUROPÉENNE

EUROPÄISCHE NORM

July 2016

ICS 77.140.30; 77.140.60

Supersedes EN 10272:2007

English Version

Stainless steel bars for pressure purposes

Barres en acier inoxydable pour appareils à pression

Stäbe aus nichtrostendem Stahl für Druckbehälter

This European Standard was approved by CEN on 15 April 2016.

This European Standard was corrected and reissued by the CEN-CENELEC Management Centre on 2016-07-27.

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 CEN-CENELEC 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 CEN-CENELEC Management Centre has the same status as the official versions.

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COMITÉ EUROPÉEN DE NORMALISATION
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CEN-CENELEC Management Centre: Avenue Marnix 17, B-1000 Brussels

Contents		Page
European foreword		4
Introduction		5
1	Scope	6
2	Normative references	6
3	Terms and definitions	7
4	Dimensions and tolerances on dimensions	7
5	Calculation of mass	7
6	Classification and designation	8
6.1	Classification	8
6.2	Designation	8
7	Information to be supplied by the purchaser	8
7.1	Mandatory information	8
7.2	Options	8
7.3	Example of ordering	9
8	Requirements	9
8.1	Steelmaking process	9
8.2	Delivery condition	9
8.3	Chemical composition	9
8.4	Corrosion resistance	10
8.5	Mechanical properties	10
8.6	Surface quality	10
8.7	Internal soundness	10
8.8	Weldability	10
8.9	Physical properties	10
9	Inspection	11
9.1	Types of inspection and inspection documents	11
9.2	Tests to be carried out	11
9.3	Frequency of testing	11
9.4	Re-tests, sorting and reprocessing	11
9.5	Sampling and preparation of samples and test pieces	12
9.6	Test methods	12
9.6.1	Chemical analysis	12
9.6.2	Tensile test	12
9.6.3	Impact test	12
9.6.4	Other tests	13
10	Marking	13
Annex A (informative) Guidelines for further treatment (including heat treatment) in fabrication		31
Annex B (informative) Tensile strength of austenitic-ferritic steels at elevated temperatures		35
Annex C (informative) Reference data of strength values for creep rupture		36

Annex D (informative) Significant changes to the previous version EN 10272:2007	37
Annex ZA (informative) Relationship between this European Standard and the Essential Requirements of Directive 2014/68/EU	38
Bibliography	39

EN 10272:2016 (E)

European foreword

This document (EN 10272:2016) has been prepared by Technical Committee ECISS/TC 107 “Steels for pressure purposes”, the secretariat of which is held by DIN.

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 January 2017, and conflicting national standards shall be withdrawn at the latest by January 2017.

This document supersedes EN 10272:2007.

This document has been prepared under a mandate given to CEN by the European Commission and the European Free Trade Association, and supports essential requirements of EU Directive(s).

For relationship with EU Directive(s), see informative Annex ZA, which is an integral part of this document.

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Introduction

The European Committee for Standardization (CEN) draws attention to the fact that it is claimed that compliance with this document may involve the use of patents concerning two steel grades given in 10.2, Annex A and Annex B.

CEN takes no position concerning the evidence, validity and scope of this patent right.

The holder of this patent right has assured CEN that he/she is willing to negotiate licences either free of charge or under reasonable and non-discriminatory terms and conditions with applicants throughout the world. In this respect, the statement of the holder of this patent right is registered with CEN. Information may be obtained from:

Outokumpu OYJ

FI – 02200 Espoo, Finland

for steel grades 1.4162 and 1.4662

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CEN and CENELEC maintain online lists of patents relevant to their standards. Users are encouraged to consult the lists for the most up to date information concerning patents (<ftp://ftp.cencenelec.eu/EN/IPR/Patents/IPRdeclaration.pdf>).

EN 10272:2016 (E)

1 Scope

This European Standard specifies the technical delivery conditions for hot and cold formed stainless steel bars for the construction of pressure equipment supplied in accordance with one of the process routes and surface finishes listed in Table 6.

The general technical delivery conditions in EN 10021 also apply.

NOTE Once this European Standard is published in the Official Journal of the European Union (OJEU) under Directive 2014/68/EU, presumption of conformity to the Essential Safety Requirements (ESRs) of Directive 2014/68/EU is limited to technical data of materials in this European Standard and does not presume adequacy of the material to a specific item of equipment. Consequently, the assessment of the technical data stated in this material standard against the design requirements of this specific item of equipment to verify that the ESRs of the Pressure Equipment Directive are satisfied, needs to be done.

2 Normative references

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

EN 10020:2000, *Definition and classification of grades of steel*

EN 10021, *General technical delivery conditions for steel products*

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

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

EN 10052:1993, *Vocabulary of heat treatment terms for ferrous products*

EN 10058, *Hot rolled flat steel bars for general purposes — Dimensions and tolerances on shape and dimensions*

EN 10059, *Hot rolled square steel bars for general purposes — Dimensions and tolerances on shape and dimensions*

EN 10060, *Hot rolled round steel bars for general purposes — Dimensions and tolerances on shape and dimensions*

EN 10061, *Hot rolled hexagon steel bars for general purposes — Dimensions and tolerances on shape and dimensions*

EN 10079:2007, *Definition of steel products*

EN 10088-1:2014, *Stainless steels — Part 1: List of stainless steels*

EN 10168:2004, *Steel products — Inspection documents — List of information and description*

EN 10204:2004, *Metallic products — Types of inspection documents*

EN 10221:1995, *Surface quality classes for hot-rolled bars and rods — Technical delivery conditions*

EN 10278, *Dimensions and tolerances of bright steel products*

EN 10308, *Non destructive testing — Ultrasonic testing of steel bars*

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