



SLOVENSKI STANDARD
SIST EN 10253-2:2021/oprA1:2024
01-julij-2024

Cevni fittingi za soležne zware - 2. del: Nelegirana in feritna legirana jekla s posebnimi zahtevami kontrole

Butt-welding pipe fittings - Part 2: Non alloy and ferritic alloy steels with specific inspection requirements

Formstücke zum Einschweißen - Teil 2: Unlegierte und legierte ferritische Stähle mit besonderen Prüfanforderungen

Raccords à souder bout à bout - Partie 2 : Aciers non alliés et aciers ferritiques alliés avec contrôle spécifique

Ta slovenski standard je istoveten z: EN 10253-2:2021/prA1

[SIST EN 10253-2:2021/oprA1:2024](http://standards.slovenski-standard.si/standards/sist/00012022-2024-0500-0207-17074/10253-2-2021-oprA1-2024)

<http://standards.slovenski-standard.si/standards/sist/00012022-2024-0500-0207-17074/10253-2-2021-oprA1-2024>

ICS:

23.040.40	Kovinski fittingi	Metal fittings
77.140.20	Visokokakovostna jekla	Stainless steels
77.140.45	Nelegirana jekla	Non-alloyed steels

SIST EN 10253-2:2021/oprA1:2024 **en,fr,de**

iTeh Standards
(<https://standards.iteh.ai>)
Document Preview

[SIST EN 10253-2:2021/oprA1:2024](https://standards.iteh.ai/catalog/standards/sist/60e12acc-3b86-43cc-b367-f78f44f8fa2d/sist-en-10253-2-2021-opra1-2024)

<https://standards.iteh.ai/catalog/standards/sist/60e12acc-3b86-43cc-b367-f78f44f8fa2d/sist-en-10253-2-2021-opra1-2024>

EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

DRAFT
EN 10253-2:2021
prA1

May 2024

ICS 77.140.20; 23.040.40; 77.140.45

English Version

Butt-welding pipe fittings - Part 2: Non alloy and ferritic alloy steels with specific inspection requirements

Raccords à souder bout à bout - Partie 2 : Aciers non alliés et aciers ferritiques alliés avec contrôle spécifique

Formstücke zum Einschweißen - Teil 2: Unlegierte und legierte ferritische Stähle mit besonderen Prüfanforderungen

This draft amendment is submitted to CEN members for enquiry. It has been drawn up by the Technical Committee CEN/TC 459/SC 10.

This draft amendment A1, if approved, will modify the European Standard EN 10253-2:2021. If this draft becomes an amendment, CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for inclusion of this amendment into the relevant national standard without any alteration.

This draft amendment was established by CEN 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.

CEN members are the national standards bodies of Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Republic of North Macedonia, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Türkiye and United Kingdom.

Recipients of this draft are invited to submit, with their comments, notification of any relevant patent rights of which they are aware and to provide supporting documentation.

Warning : This document is not a European Standard. It is distributed for review and comments. It is subject to change without notice and shall not be referred to as a European Standard.



EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

Contents	Page
European foreword	3
1 Modifications to Clause 2, "Normative references"	4
2 Modification to Clause 4, "Symbols and abbreviations"	5
3 Modification to 5.1 "Classification of grades"	6
4 Modification to 6.2 "Options"	6
5 Modification to 6.3 "Examples"	6
6 Modification to 8.2.3 "Heat treatment condition"	7
7 Modification to Clause 9 "Technical requirements"	8
8 Modification to 10.1 "Definitions of surface imperfections"	9
9 Modification to 11.2.5 "Corrugation"	9
10 Modification to 12.2.2 "Content of inspection documents"	9
11 Modification to 12.3 "Summary of inspection and testing"	10
12 Modification to 13.1.1 "Test unit"	10
13 Modification to 13.2.6 "Test piece for the impact test"	10
14 Modification to 14.2.2 "At elevated temperature"	10
15 Modification to 14.3 "Transverse tensile test on the weld"	10
16 Modification to 14.5 "Weld bend test"	11
17 Modification to 14.6 "Impact testing"	11
18 Modification to 14.9.2 "NDT of the weld"	11
19 Modification to Annex A "Dimensions"	11
20 Modification to Annex B "Determination of pressure factors and wall thickness"	11
21 Modification to Annex C "Pressure factor tables for Fittings of type A"	15
22 Modification to Annex D "Wall thickness tables for fittings of type B"	15
23 Modification to Bibliography	17

European foreword

This document (EN 10253-2:2021/prA1:2024) has been prepared by Technical Committee CEN/TC 459 “ECISS - European Committee for Iron and Steel Standardization”¹, the secretariat of which is held by AFNOR.

This document is currently submitted to the CEN Enquiry.

This document has been prepared under a standardization request addressed to CEN by the European Commission. The Standing Committee of the EFTA States subsequently approves these requests for its Member States.

For the relationship with EU Legislation, see informative Annex ZA, which is an integral part of this document.

EN 10253 comprises a series of European Standards about *Butt-welding pipe fittings*, namely:

- *Part 1: Wrought carbon steel for general use and without specific inspection requirements;*
- *Part 2: Non alloy and ferritic alloy steels with specific inspection requirements;*
- *Part 3: Wrought austenitic and austenitic-ferritic (duplex) stainless steels without specific inspection requirements;*
- *Part 4: Wrought austenitic and austenitic-ferritic (duplex) stainless steels with specific inspection requirements.*

iteh Standards
(<https://standards.iteh.ai>)
Document Preview

[SIST EN 10253-2:2021/oprA1:2024](https://standards.iteh.ai/catalog/standards/sist/60e12acc-3b86-43ec-b367-f78f44f8fa2d/sist-en-10253-2-2021-opra1-2024)

<https://standards.iteh.ai/catalog/standards/sist/60e12acc-3b86-43ec-b367-f78f44f8fa2d/sist-en-10253-2-2021-opra1-2024>

¹ Through its sub-committee CEN/TC 459/SC 10 “Steel tubes, and iron and steel fittings” (secretariat: UNI).

EN 10253-2:2021/prA1:2024 (E)**1 Modifications to Clause 2, "Normative references"**

Replace the normative reference for EN 10222-2:2017 with the following and update the normative references in the document accordingly:

"EN 10222-2:2017+A1:2021, *Steel forgings for pressure purposes — Part 2: Ferritic and martensitic steels with specified elevated temperatures properties*".

Replace the normative reference for EN 10222-4:2017 with the following and update the normative references in the document accordingly:

"EN 10222-4:2017+A1:2021, *Steel forgings for pressure purposes — Part 4: Weldable fine grain steels with high proof strength*".

Add the following footnote 1 to the normative reference for EN 13480-2:2017:

"¹ As impacted by EN 13480-2:2017/A1:2018, EN 13480-2:2017/A2:2018, EN 13480-2:2017/A3:2018, EN 13480-2:2017/A7:2020 and EN 13480-2:2017/A8:2021."

Add the following footnote 2 to the normative reference for EN 13480-3:2017:

"² As impacted by EN 13480-3:2017/A1:2021, EN 13480-3:2017/A2:2020, EN 13480-3:2017/A3:2020, EN 13480-3:2017/A4:2021 and EN 13480-3:2017/A5:2022."

Add the following footnote 3 to the normative reference for EN 13480-5:2017:

"³ As impacted by EN 13480-5:2017/A1:2019 and EN 13480-5:2017/A2:2021."

Replace the normative reference for EN ISO 2566-1:1999 with the following and update the normative references in the document accordingly:

"EN ISO 2566-1:2021, *Steel — Conversion of elongation values — Part 1: Carbon and low alloy steels (ISO 2566-1:2021, Corrected version 2022-06)*".

Replace the normative reference for EN ISO 4136:2012 with the following and update the normative references in the document accordingly:

"EN ISO 4136:2022, *Destructive tests on welds in metallic materials — Transverse tensile test (ISO 4136:2022)*".

Replace the normative reference for EN ISO 5173:2010 with the following and update the normative references in the document accordingly:

"EN ISO 5173:2023, *Destructive tests on welds in metallic materials — Bend tests (ISO 5173:2023)*".

Replace the normative reference for EN ISO 5817:2014 with the following and update the normative references in the document accordingly: