



SLOVENSKI STANDARD
SIST EN 13480-4:2018/oprA1:2018
01-november-2018

Kovinski industrijski cevovodi - 4. del: Proizvodnja in vgradnja - Dopolnilo A1

Metallic industrial piping - Part 4: Fabrication and installation

Metallische industrielle Rohrleitungen - Teil 4: Fertigung und Verlegung

Tuyauteries industrielles métalliques - Partie 4 : Fabrication et installation

Ta slovenski standard je istoveten z: EN 13480-4:2017/prA1

[SIST EN 13480-4:2018/oprA1:2018](https://standards.iteh.ai/catalog/standards/sist/e09bd5bd-2a0e-4fa6-9291-a76274a9ab71/sist-en-13480-4-2018-opra1-2018)

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ICS:

23.040.10	Železne in jeklene cevi	Iron and steel pipes
77.140.75	Jeklene cevi in cevni profili za posebne namene	Steel pipes and tubes for specific use

SIST EN 13480-4:2018/oprA1:2018 **en,fr,de**

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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

DRAFT
EN 13480-4:2017
prA1

October 2018

ICS 23.040.01

English Version

Metallic industrial piping - Part 4: Fabrication and installation

Tuyauteries industrielles métalliques - Partie 4 :
Fabrication et installation

Metallische industrielle Rohrleitungen - Teil 4:
Fertigung und Verlegung

This draft amendment is submitted to CEN members for enquiry. It has been drawn up by the Technical Committee CEN/TC 267.

This draft amendment A1, if approved, will modify the European Standard EN 13480-4:2017. 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.

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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.

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

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

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European foreword

This document (EN 13480-4:2017/prA1:2018) has been prepared by Technical Committee CEN/TC 267 “Industrial piping and pipelines”, the secretariat of which is held by AFNOR.

This document is currently submitted to the CEN Enquiry.

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 EN 13480-4:2017.

This document includes the text of the amendment itself. The amended/corrected pages of EN 13480-4:2017 will be published as Issue 2 of the European Standard.

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EN 13480-4:2017/prA1:2018 (E)

1 Modifications to Clause 2, Normative references

Replace:

“EN ISO 9606-1:2013, *Qualification testing of welders — Fusion welding — Part 1: Steels (ISO 9606-1:2012, including Cor 1:2012)*”

with:

“EN ISO 9606-1:2017, *Qualification testing of welders — Fusion welding — Part 1: Steels (ISO 9606-1:2012, including Cor 1:2012 and Cor 2:2013)*”.

Replace:

“EN ISO 15614-1:2004, *Specification and qualification of welding procedures for metallic materials — Welding procedure test — Part 1: Arc and gas welding of steels and arc welding of nickel and nickel alloys (ISO 15614-1:2004)*”

with:

“EN ISO 15614-1:2017, *Specification and qualification of welding procedures for metallic materials — Welding procedure test — Part 1: Arc and gas welding of steels and arc welding of nickel and nickel alloys (ISO 15614-1:2017, Corrected version 2017-10-01)*”.

2 Modification to 9.1, Welding personnel

Replace the text in 9.1.1 with the following:

“
9.1.1 Welding work shall be carried out by approved welders.

The welders shall be approved in accordance with EN ISO 9606-1:2017 for the intended processes, material groups and range of sizes and shall be in possession of a valid test certificate in accordance with EN ISO 9606-1:2017, Annex A.

Welding operators for fully mechanized or automatic processes shall be approved in accordance with EN ISO 14732:2013.

For pressure equipment, permanent joints in categories II and III, the route 9.3c) according to EN ISO 9606-1:2017 and route 5.3 c) according to EN ISO 14732:2013 is not permitted.

NOTE Previous qualifications according to EN 287-1 or EN 1418 remain applicable as long as their validity has not expired.”.

3 Modifications to 9.3.1, Verification of suitability

In Table 9.3.1-1, replace 3 times “EN ISO 15614-1:2004” with “EN ISO 15614-1:2017, level 2”.

In Table 9.3.1-1, add the following footnote (and renumber the current Table NOTE as “NOTE 1”):

“

NOTE 2 Previous qualifications according to EN ISO 15614-1 remain valid. New qualifications shall be performed according to EN ISO 15614-1:2017, level 2.”.

Replace the 2nd sentence of Footnote ^a in Table 9.3.1-1 with: “For application within the jurisdiction of the European Union this organisation shall be a notified body or a recognised third-party organisation.”.

4 Modifications to 9.14.1, General

In the 8th paragraph, replace "(e.g. yield, tensile strength and toughness of the material)" with "(e.g. yield strength, tensile strength and toughness of the material)".

In Tables 9.14.1-1 and 9.14.1-2, replace the content of both Footnotes ^e and ^b with: "PWHT may not be necessary for dimension $d_a \leq 114,3$ mm and $w \leq 7,1$ mm, when the preheat temperature is 200 °C or above and the service conditions (stress corrosion cracking, low temperature, hydrogen embrittlement etc.) and testing conditions (e.g. pneumatic pressure test, see EN 13480-5:2017, 9.3.3 d)) does not require PWHT."

5 Modification to 9.14.7, Insulation

In the 2nd paragraph, replace the formula itself with " $10 \cdot ((D - t) / t)^{0,5}$ ".

6 Modification to 11.2.2, CE Marking of installed piping

In the 1st paragraph, in List Indent b), replace the NOTE with the following one:

"

NOTE See PED Guideline I-09."

7 Modification to Annex ZA (informative), Relationship between this European Standard and the Essential Requirements of EU Directive 2014/68/EU aimed to be covered

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Replace the 7th row of Table ZA.1 with the following one:

" [SIST EN 13480-4:2018/oprA1:2018
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3.1.2	9.1.1	Welding personnel
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8 Modification to the final Bibliography

In the Bibliography, replace "PED Guideline 9/8" with "PED Guideline I-09".