SLOVENSKI STANDARD
SIST EN 13480-2:2018/kFprA2:2018

01-april-2018

Kovinski industrijski cevovodi - 2. del: Materiali - Dopolnilo A2

Metallic industrial piping - Part 2: Materials

Metallsiche industrielle Rohrleitungen - Teil 2: Werkstoffe

Tuyauteries industrielles métalliques - Partie 2 : Matériaux

Ta slovenski standard je istoveten z: **EN 13480-2:2017/FprA2**

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 13480-2:2018/kFprA2:2018 **en,fr,de**

EUROPEAN STANDARD

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Metallic industrial piping - Part 2: Materials

Tuyauteries industrielles métalliques - Partie 2 : Matériaux

Metallische industrielle Rohrleitungen - Teil 2: Werkstoffe

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

This draft amendment A2, if approved, will modify the European Standard EN 13480-2:2017. 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

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European foreword

This document (EN 13480-2:2017/FprA2:2018) 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 Formal Vote.

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.

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

1 Modification to Clause 2, Normative references

Replace the last reference:

"CEN ISO/TR 15608, *Welding — Guidelines for a metallic materials grouping system (ISO/TR 15608)*"

with:

"CEN ISO/TR 15608:2013, *Welding — Guidelines for a metallic materials grouping system (ISO/TR 15608:2013)*".

2 Modification to Annex A (normative), Grouping system for steels for pressure equipment

Replace the whole Annex A with the following one:

“

Annex A
(normative)

Grouping system for steels for pressure equipment

Steels shall be grouped as shown in Table A.1. The figures given in group 1 are referring to the ladle analysis of the materials. The figures given in groups 4 to 10 are based on the element content used in the designation of the alloys.

Table A.1 — Grouping system for steels (extract from CEN ISO/TR 15608:2013)

Group	Sub-group	Type of steel
1		Steels with a specified minimum yield strength R_{eH} ≤ 460 MPa[a] and with analysis in %: C ≤ 0,25 Si ≤ 0,60 Mn ≤ 1,80 Mo ≤ 0,70[b] S ≤ 0,045 *P* ≤ 0,045 Cu ≤ 0,40[b] Ni ≤ 0,5[b] Cr ≤ 0,3 (0,4 for castings)[b] Nb ≤ 0,06 V ≤ 0,10[b] Ti ≤ 0,05
	1.1	Steels with a specified minimum yield strength R_e ≤ 275 MPa
	1.2	Steels with a specified minimum yield strength 275 MPa < R_e ≤ 360 MPa
	1.3	Normalized fine grain steels with a specified minimum yield strength R_e > 360 MPa
	1.4	Steels with improved atmospheric corrosion resistance whose analysis may exceed the requirements for the single elements as indicated under 1
2		Thermomechanically treated fine grain steels and cast steels with a specified minimum yield strength R_e > 360 MPa
	2.1	Thermomechanically treated fine grain steels and cast steels with a specified minimum yield strength 360 MPa < R_e ≤ 460 MPa
	2.2	Thermomechanically treated fine grain steels and cast steels with a specified minimum yield strength R_e > 460 MPa