



SLOVENSKI STANDARD
SIST EN 13480-5:2018/oprA2:2020
01-maj-2020

Kovinski industrijski cevovodi - 5. del: Pregled in preskušanje - Dopolnilo A2

Metallic industrial piping - Part 5: Inspection and testing

Metallische industrielle Rohrleitungen - Teil 5: Prüfung

Tuyauteries industrielles métalliques - Partie 5: Inspection et contrôle

Ta slovenski standard je istoveten z: EN 13480-5:2017/prA2

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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 13480-5:2018/oprA2:2020 **en,fr,de**

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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

DRAFT
EN 13480-5:2017
prA2

May 2020

ICS

English Version

Metallic industrial piping - Part 5: Inspection and testing

Tuyauteries industrielles métalliques - Partie 5:
Inspection et contrôle

Metallische industrielle Rohrleitungen - Teil 5: Prüfung

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 A2, if approved, will modify the European Standard EN 13480-5:2017. 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 13480-5:2017/prA2:2020) 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 13480-5:2017.

This document includes the text of the amendment itself. The amended/corrected pages of EN 13480-5:2017 will be published as Issue 4 of the European Standard.

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EN 13480-5:2017/prA2:2020 (E)

1 Modification to 8.2.1, “Extent of testing”

Replace Table 8.2-1 with the following Table which includes the new footnote l) and the deletion of footnote d) for wall thickness $e_n \leq 30$ mm:

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Table 8.2-1 — Extent of testing for circumferential, branch, fillet and seal welds

Material group ^a	Category	All welds VT %	Circumferential welds ^l			Branch welds ^l						Socket/fillet welds		Seal welds											
			Surface testing		Volumetric testing ^b RT/UT %	Surface testing			Volumetric testing ^{b,k}			Surface testing		Surface testing											
			e_n mm	MT/PT ^c %		Branch diameter	e_n ^h mm	MT/PT ^c %	Branch diameter ⁱ	e_n ^h mm	RT/UT %	e_n mm	MT/PT %	e_n mm	MT/PT %										
1.1, 1.2, 8.1	I	100	0 (5) f,g		5 (10) g	All	0 (5) f,g			All			0	All	0	All	0								
	II				10		> DN 100	> 15	10	10	10														
	III				10		> DN 100	> 15	10	10	10														
1.3, 1.4, 1.5, 2.1, 2.2, 4.1, 4.2, 5.1, 5.2, 8.2, 8.3, 9.1, 9.2, 9.3, 10.1, 10.2	I	100	≤ 30	5	10	All ^e	All			All			0	All ^e	10	All ^e	5								
			> 30	10	10																				
	II		≤ 30	5	10																				
			> 30	10	10																				
	III		≤ 30	5	10 (25) f,g													All	> DN 100	> 15	10	All	25	All	25
			> 30	10	10 (25 d) f,g																				
3.1, 3.2, 3.3, 5.3, 5.4, 6.1, 6.2, 6.3, 6.4, 7.1, 7.2	I	100	≤ 30	10	25	All	> DN 100			> 15			All	All	10										
			> 30	25	25																				
	II		≤ 30	25	25											25	25	25							
			> 30	25	25 (25 d) f,g																				
	III		≤ 30	100	25 (100) f,g											100	100	100							
			> 30	100	25 (100 d) f,g																				

EN 13480-5:2017/prA2:2020 (E)

- a Material group, see CEN ISO/TR 15608.
- b For the selection of the appropriate NDT-method for volumetric testing, see 8.4.4.3.
- c See 8.4.4.2.
- d Additional testing for transverse defects from weld surface (see EN ISO 17640:2010, testing level C).
- e Only if PWHT has been carried out.
- f Value in brackets applies to piping where creep or fatigue is the controlling factor in design.
- g Value in brackets applies to piping with pneumatic pressure test with 1,1 times the maximum allowable pressure.
- h e_n is the nominal thickness of the branch pipe at the weld (see W3, W3.1 and W6 in EN 13480-4:2017, Figure 9.14.4-1 and Figure 9.14.4-2).
- i For parts without DN designation $d_i > 120$ mm may be used instead of DN > 100.
- k Volumetric testing is required if both criteria (branch diameter and nominal thickness) are satisfied.
- l The number of welds shall be used up to DN ≤ 600 , from DN > 600, the total length of the welds may be used.

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