



**SLOVENSKI STANDARD**  
**SIST EN 13480-5:2018/A2:2021**

**01-december-2021**

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**Kovinski industrijski cevovodi - 5. del: Pregled in preskušanje - Dopnilo 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/A2:2021**

[SIST EN 13480-5:2018/A2:2021](https://standards.iteh.ai/catalog/standards/sist/070cf475-344a-4c89-9539-ec37289ef978/sist-en-13480-5-2018-a2-2021)

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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/A2:2021**                      **en,fr,de**

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EUROPEAN STANDARD

EN 13480-5:2017/A2

NORME EUROPÉENNE

EUROPÄISCHE NORM

October 2021

ICS 23.040.01

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 amendment A2 modifies the European Standard 2636588; it was approved by CEN on 23 August 2021.

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. 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 amendment 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.

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, Turkey and United Kingdom.

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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/A2:2021) has been prepared by Technical Committee CEN/TC 267 “Industrial piping and pipelines”, the secretariat of which is held by AFNOR.

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 April 2022, and conflicting national standards shall be withdrawn at the latest by April 2022.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN shall not be held responsible for identifying any or all such patent rights.

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

For relationship with EU Directive(s) / Regulation(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 in the new Edition 2022 of the European Standard.

Any feedback and questions on this document should be directed to the users’ national standards body. A complete listing of these bodies can be found on the CEN website.

According to the CEN-CENELEC Internal Regulations, the national standards organisations of the following countries are bound to implement this European Standard: 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, Turkey and the United Kingdom.

EN 13480-5:2017/A2:2021 (E)

## 1 Modification to 8.2.1, “Extent of testing”

*Replace Table 8.2-1 with the following table that 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 <sup>a</sup>	Category	All welds  VT %	Circumferential welds <sup>l</sup>			Branch welds <sup>l</sup>						Socket/fillet welds		Seal welds								
			Surface testing		Volumetric testing <sup>b</sup> RT/UT %	Surface testing			Volumetric testing <sup>b,k</sup>			Surface testing		Surface testing								
			$e_n$ mm	MT/PT <sup>c</sup> %		Branch diameter	$e_n$ mm	MT/PT <sup>c</sup> %	Branch diameter <sup>i</sup>	$e_n$ mm	RT/UT %	$e_n$ mm	MT/PT %	$e_n$ mm	MT/PT %							
1.1, 1.2, 8.1	I	100	0 (5) <sup>f,g</sup>		5	All	0 (5) <sup>f,g</sup>			All			All	0	All	0						
	II				10		10	10	All	0	10	All					10	All	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 <sup>e</sup>	All			0			All <sup>e</sup>	10	All <sup>e</sup>	5						
			> 30	10	10		All			0												
	II		≤ 30	5	10		All			0												
			> 30	10	10		All			0												
	III		≤ 30	5	10		All	> DN 100			> 15						10	All	25	All	25	
			> 30	10	10			(25 <sup>d</sup> ) <sup>f,g</sup>			10											
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	25			25			All	25	All	10						
			> 30	25	25		All			25												
	II		≤ 30	25	25		All			25												
			> 30	25	25		All			25												
	III		≤ 30	100	25		All	100			100						100	100	100			
			> 30	100	25			(100 <sup>d</sup> ) <sup>f,g</sup>			100											