

DIN EN 13480-5



ICS 23.040.01

Supersedes: see below

**Metallic industrial piping –
Part 5: Inspection and testing;
English version EN 13480-5:2017,
English translation of DIN EN 13480-5:2017-12**

Metallische industrielle Rohrleitungen –
Teil 5: Prüfung;
Englische Fassung EN 13480-5:2017,
Englische Übersetzung von DIN EN 13480-5:2017-12

Tuyauteries industrielles métalliques –
Partie 5: Inspection et contrôle;
Version anglaise EN 13480-5:2017,
Traduction anglaise de DIN EN 13480-5:2017-12

Supersedes DIN EN 13480-5:2014-12, DIN EN 13480-5 Corrigendum 1:2015-12,
DIN EN 13480-5 Corrigendum 2:2016-10, DIN EN 13480-5/A2:2017-05 and DIN EN 13480-5/A3:2017-07

Document comprises 38 pages

Translation by DIN-Sprachendienst.

In case of doubt, the German-language original shall be considered authoritative.

A comma is used as the decimal marker.

National foreword

This document (EN 13480-5:2017) has been prepared by Technical Committee CEN/TC 267 “Industrial piping and pipelines” (Secretariat: AFNOR, France). The responsible German body involved in its preparation was *DIN-Normenausschuss Rohrleitungen und Dampfkesselanlagen* (DIN Standards Committee Piping and Boiler Plant), Working Committee NA 082-00-17 AA “Industrial piping and pipeline; Mirror Committee to CEN/TC 267”.

This part of DIN EN 13480 specifies the requirements for inspection and testing of piping systems.

Amendments

This standard differs from DIN EN 13480-5:2014-12, DIN EN 13480-5 Corrigendum 1:2015-12, DIN EN 13480-5 Corrigendum 2:2016-10, DIN EN 13480-5/A2:2017-05 and DIN EN 13480-5/A3:2017-07 as follows:

- a) normative references have been updated;
- b) Clause 6 “Design review” has been completely revised;
- c) subclause 7.2.4 “Non-destructive testing of formed parts” has been revised;
- d) subclause 7.2.5 “Destructive testing of formed parts” has been revised;
- e) in subclause 8.1, the determination of the extent of non-destructive testing has been revised;
- f) in subclause 8.1, requirements for category 0 have been added;
- g) in subclause 8.1, requirements for NDT of piping subjected to creep or fatigue have been clarified;
- h) in subclauses 8.1 and 9.3.3, requirements for NDT of piping subjected to pneumatic pressure test have been added;
- i) subclause 8.1.3 “Imperfections revealed by sample inspection” has been revised;
- j) Table 8.2-1 “Extent of testing for circumferential, branch, fillet and seal welds” has been revised;
- k) in subclause 8.4, quality levels have been specified according to EN ISO 5817 depending on service conditions and test methods;
- l) subclause 8.4.3 “Personnel qualification” has been revised;
- m) in subclauses 8.4.4 and 8.4.5, it has been specified that the selection of NDT methods and testing techniques shall be in accordance with EN ISO 17635;
- n) in subclause 9.3.2.2.1, requirements for piping operated in the creep range have been added;
- o) in subclause 9.3.3, an alternative pneumatic pressure test has been added;
- p) Table 9.4-1 has been revised;

- q) in Clause 10 relating to the manufacturer's declaration, reference is now made to Annex A instead of CEN/TR 13480-7;
- r) a new Annex A has been added providing new forms for the declaration of design compliance, the declaration of compliance for piping fabrication, installation and testing and the declaration of compliance for piping with EN 13480;
- s) Annex ZA "Relationship between this European Standard and the Essential Requirements of EU Directive 2014/68/EU aimed to be covered" has been adapted;
- t) the Bibliography has been updated;
- u) the standard has been editorially revised.

Previous editions

DIN EN 13480-5: 2002-08, 2012-11, 2013-11, 2014-12
DIN EN 13480-5 Corrigendum 1: 2006-06, 2014-05, 2015-12
DIN EN 13480-5/A1: 2011-10
DIN EN 13480-5 Corrigendum 2: 2016-10
DIN EN 13480-5/A2: 2017-05
DIN EN 13480-5/A3: 2017-07

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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 European Standard was approved by CEN on 21 June 2017.

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This European Standard 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.

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