DIN EN 10296-2

DIN

ICS 77.140.75

Together with
DIN EN 10312:2005-12,
supersedes
DIN 17455:1999-02

Welded circular steel tubes for mechanical and general engineering purposes – Technical delivery conditions – Part 2: Stainless steel English version of DIN EN 10296-2:2006-02

Geschweißte kreisförmige Stahlrohre für den Maschinenbau und allgemeine technische Anwendungen –
Technische Lieferbedingungen –
Teil 2: Nichtrostende Stähle
Englische Fassung DIN EN 10296-2:2006-02

Document comprises 33 pages

National foreword

This standard has been prepared by ECISS/TC 29 'Steel tubes and fittings for steel tubes' (Secretariat: Italy).

The responsible German body involved in its preparation was the *Normenausschuss Eisen und Stahl* (Steel and Iron Standards Committee), Technical Committee 09/7 *Maschinenbaurohre und Hohlstangen*.

This standard specifies technical requirements for welded tubes of circular cross section made of ferritic, austenitic and austenitic-ferritic stainless steels for mechanical and general engineering purposes.

The DIN Standard corresponding to the CEN Report referred to in clause 2 of this Standard is as follows:

CR 10260 DIN V 17006-100

Amendments

This standard differs from DIN 17455:1999-02 as follows:

a) The requirements for tubes intended for the conveyance of water and other aqueous liquids are now specified in DIN EN 10312.

b) Four ferritic steel grades and five austenitic steel grades have been introduced in addition.

c) Three austenitic-ferritic steel grades, and six austenitic heat-resistant steel grades are now specified.

d) The chemical composition has been modified, although the material numbers have not been changed.

e) Specifications regarding surface finish have been simplified (product forms are no longer specified).

f) Specifications regarding mechanical properties (yield strength ("proof stress") at elevated temperatures is no longer specified), dimensions, testing (testing of resistance to intergranular corrosion is no longer specified) and marking have been modified.

g) Formulae for calculating nominal sectional properties are now included.

h) The standard has been editorially revised.

Previous editions

DIN 17440: 1967-01, 1972-12
DIN 17455: 1985-07, 1999-02

National Annex NA
(informative)

Bibliography

DIN EN 10312, *Welded stainless steel tubes for the conveyance of water and other aqueous liquids — Technical delivery conditions*

DIN V 17006-100 (Preliminary standard), *Designation systems for steel — Additional symbols*

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English Version

Welded circular steel tubes for mechanical and general engineering purposes - Technical delivery conditions - Part 2: Stainless steel

Tubes ronds soudés en acier pour utilisation en mécanique générale et en construction mécanique - Conditions techniques de livraison - Partie 2: Tubes en acier inoxydable

Geschweißte kreisförmige Stahlrohre für den Maschinenbau und allgemeine technische Anwendungen - Technische Lieferbedingungen - Teil 2: Nichtrostende Stähle

This European Standard was approved by CEN on 4 April 2005.

CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration. Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the Central Secretariat or to any CEN member.

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 Central Secretariat has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Slovakia, Slovenia, Spain, Sweden, Switzerland and United Kingdom.

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Foreword

This document (EN 10296-2:2005) has been prepared by Technical Committee ECISS/TC 29 “Steel tubes and fittings for steel tubes”, the secretariat of which is held by UNI.

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 June 2006, and conflicting national standards shall be withdrawn at the latest by June 2006.

Another part of EN 10296 is:

— Part 1: Non-alloy and alloy steel tubes

Another European Standard series, covering seamless steel tubes for mechanical and general engineering purposes, currently being prepared is:

— EN 10297: Seamless circular steel tubes for mechanical and general engineering purposes — Technical delivery conditions.

Other series of European Standards being prepared in this area are prEN 10294 - hollow bars for machining and EN 10305 - steel tubes for precision applications.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Slovakia, Slovenia, Spain, Sweden, Switzerland and United Kingdom.