Non-destructive testing of steel tubes - Part 8: Automated ultrasonic testing of seamless and welded steel tubes for the detection of laminar imperfections (ISO 10893-8:2011)

EESTI STANDARDIKESKUS
ESTONIAN CENTRE FOR STANDARDISATION

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NATIONAL FOREWORD

Käesolev Eesti standard EVS-EN ISO 10893-8:2011 sisaldab Euroopa standardi EN ISO 10893-8:2011 ingliskeelset teksti.	This Estonian standard EVS-EN ISO 10893-8:2011 consists of the English text of the European standard EN ISO 10893-8:2011.
Standard on kinnitatud Eesti Standardikeskuse 30.04.2011 käskkirjaga ja jõustub sellekohase teate avaldamisel EVS Teatajas.	This standard is ratified with the order of Estonian Centre for Standardisation dated 30.04.2011 and is endorsed with the notification published in the official bulletin of the Estonian national standardisation organisation.
Euroopa standardimisorganisatsioonide poolt rahvuslikele liikmetele Euroopa standardi teksti kättesaadavaks tegemise kuupäev on 01.04.2011.	Date of Availability of the European standard text 01.04.2011.
Standard on kättesaadav Eesti standardiorganisatsioonist.	The standard is available from Estonian standardisation organisation.

ICS 23.040.10, 77.040.20, 77.140.75

EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

EN ISO 10893-8

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English Version

Non-destructive testing of steel tubes - Part 8: Automated ultrasonic testing of seamless and welded steel tubes for the detection of laminar imperfections (ISO 10893-8:2011)

Essais non destructifs des tubes en acier - Partie 8: Contrôle automatisé par ultrasons pour la détection des dédoublures des tubes en acier sans soudure et soudés (ISO 10893-8:2011)

Zerstörungsfreie Prüfung von Stahlrohren - Teil 8: Automatisierte Ultraschallprüfung nahtloser und geschweißter Stahlrohre zum Nachweis von Dopplungen (ISO 10893-8:2011)

This European Standard was approved by CEN on 10 December 2010.

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EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

Management Centre: Avenue Marnix 17, B-1000 Brussels

Foreword

This document (EN ISO 10893-8:2011) has been prepared by Technical Committee ISO/TC 17 "Steel" in collaboration with Technical Committee ECISS/TC 110 “Steel tubes, and iron and steel fittings” 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 October 2011, and conflicting national standards shall be withdrawn at the latest by October 2011.

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

This document supersedes EN 10246-14:1999, EN 10246-16:2000, EN 10246-17:2000.

According to the CEN/CENELEC Internal Regulations, the national standards organizations 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, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and the United Kingdom.

Endorsement notice

The text of ISO 10893-8:2011 has been approved by CEN as a EN ISO 10893-8:2011 without any modification.

Contents

Page

Non-destructive testing of steel tubes —

Part 8:
Automated ultrasonic testing of seamless and welded steel tubes for the detection of laminar imperfections

1 Scope

This part of ISO 10893 specifies requirements for automated ultrasonic testing for the detection of laminar imperfections

a) in the pipe body (full peripheral testing) of seamless and welded, except submerged arc-welded (SAW), steel tubes, or

b) in the area adjacent to the weld seam of welded steel tubes, and optionally

c) at the ends (full peripheral testing) of seamless and welded tubes.

This part of ISO 10893 can also be applicable to the testing of circular hollow sections.

NOTE For welded tubes, see ISO 10893-9 for an alternative test method for the detection of laminar imperfections in steel strip/plate prior to tube forming.

2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 5577, *Non-destructive testing — Ultrasonic inspection — Vocabulary*

ISO 9712, *Non-destructive testing — Qualification and certification of personnel*

ISO 10893-6, *Non-destructive testing of steel tubes — Part 6: Radiographic testing of the weld seam of welded steel tubes for the detection of imperfections*

ISO 10893-7, *Non-destructive testing of steel tubes — Part 7: Digital radiographic testing of the weld seam of welded steel tubes for the detection of imperfections*

ISO 11484, *Steel products — Employer's qualification system for non-destructive testing (NDT) personnel*