

**SLOVENSKI STANDARD  
SIST EN ISO 10893-11:2011  
01-november-2011**

**Nadomešča:**  
**SIST EN 10246-8:2000**  
**SIST EN 10246-9:2000**

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**Neporušitveno preskušanje jeklenih cevi - 11. del: Ugotavljanje vzdolžnih in/ali prečnih napak varja pri jeklenih cevih, obločno varjenih pod praškom, z avtomatsko ultrazvočno preiskavo (ISO 10893-11:2011)**

Non-destructive testing of steel tubes - Part 11: Automated ultrasonic testing of the weld seam of welded steel tubes for the detection of longitudinal and/or transverse imperfections (ISO 10893-11:2011)

Zerstörungsfreie Prüfung von Stahlrohren - Teil 11: Automatisierte Ultraschallprüfung der Schweißnaht geschweißter Stahlrohre zum Nachweis von Unvollkommenheiten in Längs- und/oder Querrichtung (ISO 10893-11:2011)

Essais non destructifs des tubes en acier - Partie 11: Contrôle automatisé par ultrasons du cordon de soudure des tubes en acier soudés pour la détection des imperfections longitudinales et/ou transversales (ISO 10893-11:2011)

**Ta slovenski standard je istoveten z: EN ISO 10893-11:2011**

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**ICS:**

23.040.10	Železne in jeklene cevi	Iron and steel pipes
25.160.40	Varjeni spoji in vari	Welded joints
77.040.20	Neporušitveno preskušanje kovin	Non-destructive testing of metals

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**EUROPEAN STANDARD**  
**NORME EUROPÉENNE**  
**EUROPÄISCHE NORM**

**EN ISO 10893-11**

April 2011

ICS 23.040.10; 77.040.20; 77.140.75

Supersedes EN 10246-8:1999, EN 10246-9:2000

## English Version

**Non-destructive testing of steel tubes - Part 11: Automated ultrasonic testing of the weld seam of welded steel tubes for the detection of longitudinal and/or transverse imperfections (ISO 10893-11:2011)**

Essais non destructifs des tubes en acier - Partie 11:  
 Contrôle automatisé par ultrasons du cordon de soudure  
 des tubes en acier soudés pour la détection des  
 imperfections longitudinales et/ou transversales (ISO  
 10893-11:2011)

Zerstörungsfreie Prüfung von Stahlrohren - Teil 11:  
 Automatisierte Ultraschallprüfung der Schweißnaht  
 geschweißter Stahlrohre zum Nachweis von  
 Unvollkommenheiten in Längs- und/oder Querrichtung (ISO  
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## Foreword

This document (EN ISO 10893-11:2011) has been prepared by Technical Committee ISO/TC 17 "Steel" in collaboration with Technical Committee ECIS/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.

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INTERNATIONAL  
STANDARD

ISO  
**10893-11**

First edition  
2011-04-01

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**Non-destructive testing of steel tubes —**

**Part 11:**

**Automated ultrasonic testing of the weld  
seam of welded steel tubes for the  
detection of longitudinal and/or  
transverse imperfections**

*Essais non destructifs des tubes en acier —*

*Partie 11: Contrôle automatisé par ultrasons du cordon de soudure des  
tubes en acier soudés pour la détection des imperfections  
longitudinales et/ou transversales*

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## Foreword

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International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 2.

The main task of technical committees is to prepare International Standards. Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

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

ISO 10893-11 was prepared by Technical Committee ISO/TC 17, Steel, Subcommittee SC 19, *Technical delivery conditions for steel tubes for pressure purposes*.

This first edition cancels and replaces ISO 9764:1989 and ISO 9765:1990, which have been technically revised.

ISO 10893 consists of the following parts, under the general title *Non-destructive testing of steel tubes*:

- *Part 1: Automated electromagnetic testing of seamless and welded (except submerged arc-welded) steel tubes for the verification of leaktightness*
- *Part 2: Automated eddy current testing of seamless and welded (except submerged arc-welded) steel tubes for the detection of imperfections*
- *Part 3: Automated full peripheral flux leakage testing of seamless and welded (except submerged arc-welded) ferromagnetic steel tubes for the detection of longitudinal and/or transverse imperfections*
- *Part 4: Liquid penetrant inspection of seamless and welded steel tubes for the detection of surface imperfections*
- *Part 5: Magnetic particle inspection of seamless and welded ferromagnetic steel tubes for the detection of surface imperfections*
- *Part 6: Radiographic testing of the weld seam of welded steel tubes for the detection of imperfections*
- *Part 7: Digital radiographic testing of the weld seam of welded steel tubes for the detection of imperfections*
- *Part 8: Automated ultrasonic testing of seamless and welded steel tubes for the detection of laminar imperfections*
- *Part 9: Automated ultrasonic testing for the detection of laminar imperfections in strip/plate used for the manufacture of welded steel tubes*
- *Part 10: Automated full peripheral ultrasonic testing of seamless and welded (except submerged arc-welded) steel tubes for the detection of longitudinal and/or transverse imperfections*