

Non-destructive testing of steel tubes —

Part 1: Automatic electromagnetic testing of seamless and welded (except submerged arc welded) ferromagnetic steel tubes for verification of hydraulic leak-tightness

The European Standard EN 10246-1:1996 has the status of a
British Standard

ICS 23.040.10

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The preparation of this British Standard was entrusted to Technical Committee ISE/73, Steels for pressure purposes, upon which the following bodies were represented:

- Associated Offices Technical Committee
- BEAMA Ltd.
- British Compressed Air Society
- British Forging Industry Association
- British Gas plc
- British Steel Industry
- Electricity Supply Industry in England and Wales
- Engineering Equipment and Materials Users' Association
- Lloyd's Register of Shipping
- Power Generation Contractors' Association (BEAMA Ltd.)
- Process Plant Association
- The Welding Institute
- Co-opted members

The following bodies were also represented in the drafting of the standard, through subcommittees and panels:

- British Fluid Power Association
- British Gas
- British Stainless Steel Association
- British Welded Steel Tube Association
- Confederation of British Industry
- Electricity Association
- Energy Industries Council
- Seamless Steel Tube Association

This British Standard, having been prepared under the direction of the Engineering Sector Board, was published under the authority of the Standards Board and comes into effect on 15 July 1996

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National foreword

This British Standard has been prepared by Technical Committee ISE/73 and is the English language version of EN 10246-1:1996, published by the European Committee for Standardization (CEN).

This British Standard contains elements of BS 3889 *Non-destructive testing of pipes and tubes* — Part 2A:1986 *Automatic eddy current testing of wrought steel tubes*. A complete list of the Parts of EN 10246 is given in Annex A of this standard. When all relevant Parts have been published, BS 3889-2A:1986 will be withdrawn.

Cross-references

Publication referred to	Corresponding British Standard
ISO 235:1980	BS 328 <i>Drills and reamers</i> Part 1:1993 <i>Specification for twist drills</i>
EN 20286-2:1993	BS EN 20286 <i>ISO system of limits and fits</i> Part 2:1993 <i>Tables of standard tolerance grades and limit deviations for holes and shafts</i>

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Summary of pages

This document comprises a front cover, an inside front cover, pages i and ii, the EN title page, pages 2 to 12, an inside back cover and a back cover.

This standard has been updated (see copyright date) and may have had amendments incorporated. This will be indicated in the amendment table on the inside front cover.

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Descriptors: Metal tubes, steel tubes, welded tubes, seamless tubes, non-destructive tests, electromagnetic tests, inspection, leak-tightness

English version

Non-destructive testing of steel tubes — Part 1: Automatic electromagnetic testing of seamless and welded (except submerged arc-welded) ferromagnetic steel tubes for verification of hydraulic leak-tightness

Essais non destructifs des tubes en acier —
Partie 1: Contrôle automatique
électromagnétique pour vérification de
l'étanchéité hydraulique des tubes en acier sans
soudure et soudés ferromagnétiques (sauf à
l'arc immergé sous flux en poudre)

Zerstörungsfreie Prüfung von Stahlrohren —
Teil 1: Automatische elektromagnetische
Prüfung nahtloser und geschweißter
(ausgenommen unterpulvergeschweißter)
ferromagnetischer Stahlrohre zum Nachweis
der Dichtheit

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CEN

European Committee for Standardization
Comité Européen de Normalisation
Europäisches Komitee für Normung

Central Secretariat: rue de Stassart 36, B-1050 Brussels

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Foreword

This European Standard has been prepared by the Technical Committee ECISS/TC29, 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 September 1996, and conflicting standards shall be withdrawn at the latest by September 1996.

According to the CEN/CENELEC Internal Rules, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.

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