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Metallic materials - Tube ring hydraulic pressure test (ISO 15363:2017)

Táto norma obsahuje anglickú verziu európskej normy.
This standard includes the English version of the European Standard.

Táto norma bola oznámená vo Vestníku ÚNMS SR č. 01/26

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EN ISO 15363

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sur anneau tubulaire (ISO 15363:2017)Metallische Werkstoffe - Hydraulischer
Ringaufweitversuch (ISO 15363:2017)

This European Standard was approved by CEN on 25 August 2025.

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EN ISO 15363:2025 (E)

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European foreword

The text of ISO 15363:2017 has been prepared by Technical Committee ISO/TC 164 "Mechanical testing of metals" of the International Organization for Standardization (ISO) and has been taken over as EN ISO 15363:2025 by Technical Committee CEN/TC 459/SC 10 "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of an identical text or by endorsement, at the latest by March 2026, and conflicting national standards shall be withdrawn at the latest by March 2026.

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

This document supersedes EN 10275:1999.

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Endorsement notice

The text of ISO 15363:2017 has been approved by CEN as EN ISO 15363:2025 without any modification.

INTERNATIONAL STANDARD

ISO
15363

Second edition
2017-07

Metallic materials — Tube ring hydraulic pressure test

*Matériaux métalliques — Essai d'expansion hydraulique sur anneau
tubulaire*



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ISO 15363:2017(E)

Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

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For an explanation on the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT) see the following URL: www.iso.org/iso/foreword.html

This document was prepared by Technical Committee ISO/TC 164, *Mechanical testing of metals*, Subcommittee SC 2, *Ductility testing*.

This second edition cancels and replaces the first edition (ISO 15363:2000), of which it constitutes a minor revision.

The main changes to the previous edition are:

- Addition of the comparison of symbols and designations used for steel tubes as Annex B for harmonizing EN 10275:1999.

[Annex A](#) and [Annex B](#) of this document are for information only.

Metallic materials — Tube ring hydraulic pressure test

1 Scope

This document specifies the ring hydraulic pressure test for metallic tubes. It is generally applied to tubes with an outside diameter greater than 120 mm and outside diameter to thickness ratio of not less than 20.

The objective of this test is to ascertain the value of the hoop stress required to produce a specified total circumferential (hoop) strain.

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