

STN	Výbušniny na civilné použitie Rozbušky a bleskovicové oneskorovače Časť 15: Overenie ekvivalentu iniciačnej mohutnosti elektrických, neelektrických a elektronických rozbušiek	STN EN 13763-15
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Explosives for civil uses - Detonators and detonating cord relays - Part 15: Verification of equivalent initiating capability of electric, non-electric and electronic detonators

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

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English Version

**Explosives for civil uses - Detonators and detonating cord
relays - Part 15: Verification of equivalent initiating
capability of electric, non-electric and electronic
detonators**

Explosifs à usage civil - Détonateurs et relais pour
cordeau détonant - Partie 15: Vérification de la
capacité d'amorçage équivalente des détonateurs
électriques, non électriques et électroniques

Explosivstoffe für zivile Zwecke - Zünder und
Sprengschnurverzögerer - Teil 15: Bestimmung der
Zündstärke elektrischer, nicht-elektrischer und
elektronischer Zünder

This European Standard was approved by CEN on 29 September 2025.

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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 CEN-CENELEC Management Centre has the same status as the official versions.

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

CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

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European foreword

This document (EN 13763-15:2025) has been prepared by Technical Committee CEN/TC 321 "Explosives for civil uses", the secretariat of which is held by UNE.

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of an identical text or by endorsement, at the latest by April 2026, and conflicting national standards shall be withdrawn at the latest by April 2026.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 13763-15:2004.

EN 13763-15:2025 includes the following significant technical changes with respect to EN 13763-15:2004:

- a) the document title has been changed from "Detonators and relays — Part 15: Determination of equivalent initiating capability" to "Detonators and detonating cord relays — Part 15: Verification of equivalent initiating capability of electric, non-electric and electronic detonators";
- b) the Introduction has been removed;
- c) the Scope has been revised to clarify the covered and not covered explosives as well as the applicability of the test method with regard to the temperature range of use and resistance to water;
- d) the normative references have been updated;
- e) Clause 4 "Principle" has been added;
- f) the clause "Apparatus" together with its figures has been revised;
- g) the clause "Test pieces" is now called "Preparation of test sample";
- h) the clause "Procedure" has been revised and further detailed, the former "underwater initiating capability test" is now called "underwater test" and the former "functioning test at high and low temperatures" is now called "plate dent test";
- i) Clause 8 "Expression of results" has been added;
- j) the clause "Test report" does no longer require conformity with EN ISO/IEC 17025 and the information to be provided has been revised;
- k) the former Annex A "Specifications for reference detonators" has been removed and can now be found in FprEN 13763-1:2025;
- l) the former Annex B "Range of applicability of the test method" has been removed;
- m) the former Annex C is now Annex A "Typical pressure curve of an underwater test" and has been editorially revised;
- n) Annex ZA has been updated;
- o) the Bibliography has been added and lists EN ISO/IEC 17025:2017.

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This document has been prepared under a standardization request addressed to CEN by the European Commission. The Standing Committee of the EFTA States subsequently approves these requests for its Member States.

For the relationship with EU Legislation, see informative Annex ZA, which is an integral part of this document.

A list of all parts in the EN 13763 series, published under the general title *Explosives for civil uses — Detonators and detonating cord relays*, can be found on the CEN website.

Any feedback and questions on this document should be directed to the users' national standards body. A complete listing of these bodies can be found on the CEN website.

According to the CEN-CENELEC Internal Regulations, the national standards organisations 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, Republic of North Macedonia, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Türkiye and the United Kingdom.

1 Scope

This document specifies a test method for the verification of the equivalent initiating capability of electric, non-electric and electronic detonators.

This document is not applicable to detonators that are not designed to function under water.

This document is not applicable to plain detonators, semi-finished detonators, surface connectors, leading wires, shock tubes, detonating cord relays, coupling accessories and electronic initiation systems.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements 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.

EN 573-3:2019, *Aluminium and aluminium alloys — Chemical composition and form of wrought products — Part 3: Chemical composition and form of products*

EN 13763-1:2025, *Explosives for civil uses — Detonators and detonating cord relays — Part 1: Requirements*

EN 13857-1:2025, *Explosives for civil uses — Part 1: Vocabulary*

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