

<b>STN</b>	<b>Výbušniny na civilné použitie Rozbušky a bleskovicové oneskorovače Časť 3: Overenie necitlivosti rozbušiek, povrchových spojok, bleskovicových oneskorovačov a rázových rúrok na náraz</b>	<b>STN EN 13763-3</b>
		66 8083

Explosives for civil uses - Detonators and detonating cord relays - Part 3: Verification of insensitivity to impact of detonators, surface connectors, detonating cord relays and shock tubes

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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English Version

Explosives for civil uses - Detonators and detonating cord relays - Part 3: Verification of insensitiveness to impact of detonators, surface connectors, detonating cord relays and shock tubes

Explosifs à usage civil - Détonateurs et relais pour cordeau détonant - Partie 3 : Vérification de l'insensibilité au choc des détonateurs, connecteurs de surface, relais pour cordeau détonant et tubes à transmission d'ondes de choc

Explosivstoffe für zivile Zwecke - Zünder und Sprengschnurverbinder - Teil 3: Überprüfung der Schlagempfindlichkeit

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

CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration. Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the CEN-CENELEC Management Centre or to any CEN member.

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

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## European foreword

This document (EN 13763-3:2025) 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 13763-3:2002.

EN 13763-3:2025 includes the following significant technical changes with respect to EN 13763-3:2002:

- a) the document title has been changed from "Detonators and relays — Part 3: Determination of sensitiveness to impact" to "Detonators and detonating cord relays — Part 3: Verification of insensitiveness to impact of detonators, surface connectors, detonating cord relays and shock tubes";
- b) the Scope has been revised so that the document now also applies to semi-finished detonators and electronic detonators;
- c) the normative references have been updated;
- d) the terminology entries 3.1 and 3.2 have been removed;
- e) the Clause 4 "Principle" has been added;
- f) the Clause "Apparatus" has been restructured and revised;
- g) the Clause "Test pieces" is now called "Preparation of test sample", has been revised and enlarged to include semi-finished detonators and electronic detonators;
- h) the Clause "Procedure" has been revised so that no longer a determination of the sensitiveness to impact is carried out but only the verification of the insensitiveness to impact at a specific level;
- i) the Clause "Procedure" has been enlarged to include semi-finished and electronic detonators;
- j) the Clause 8 "Expression of results" has been added;
- k) the Clause "Test report" does no longer require conformity with EN ISO/IEC 17025 and the information to be provided has been revised and enlarged;
- l) the former Annex A "Range of applicability of the test method" has been removed;
- m) the Annex ZA has been updated;
- n) the Bibliography has been added and lists EN ISO/IEC 17025:2017.

**EN 13763-3:2025 (E)**

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 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, Republic of North Macedonia, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Türkiye and the United Kingdom.

## 1 Scope

This document specifies two test methods for the verification of the insensitiveness to impact.

This document is applicable to electric detonators, non-electric detonators, electronic detonators, plain detonators, semi-finished detonators, surface connectors and detonating cord relays as well as shock tubes.

This document does not apply to 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 10025-2:2019, *Hot rolled products of structural steels - Part 2: Technical delivery conditions for non-alloy structural steels*

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*

EN ISO 683-4:2018, *Heat-treatable steels, alloy steels and free-cutting steels — Part 4: Free-cutting steels (ISO 683-4:2016)*

EN ISO 683-17:2023, *Heat-treated steels, alloy steels and free-cutting steels — Part 17: Ball and roller bearing steels (ISO 683-17:2023)*

EN ISO 4957:2018, *Tool steels (ISO 4957:2018)*

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