

STN	Výbušniny na civilné použitie Trhaviny, zosilňovacie náplne a výbušné látky Časť 5: Overenie odolnosti trhavín a zosilňovacích náplní proti vode	STN EN 13631-5
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Explosives for civil uses - Explosives for blasting, boosters and explosive substances - Part 5: Verification of the resistance to water of explosives for blasting and boosters

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 - Explosives for blasting, boosters
and explosive substances - Part 5: Verification of the
resistance to water of explosives for blasting and boosters**

Explosifs à usage civil - Explosifs de mine, relais de
détonation et substances explosives - Partie 5 :
Vérification de la résistance à l'eau des explosifs de
mine et des relais de détonation

Explosivstoffe für zivile Zwecke - Sprengstoffe,
Verstärkungsladungen und Explosivstoffe - Teil 5:
Überprüfung der Wasserbeständigkeit von
Sprengstoffen und Verstärkungsladungen

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

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

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European foreword

This document (EN 13631-5:2025) 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 13631-5:2002.

EN 13631-5:2025 includes the following significant technical changes with respect to EN 13631-5:2002:

- a) the document title has been changed from "Explosives for civil uses — High explosives — Part 5: Determination of resistance to water" to "Explosives for civil uses — Explosives for blasting, boosters and explosive substances — Part 5: Verification of the resistance to water of explosives for blasting and boosters";
- b) the Scope has been revised and now specifies the covered and not covered explosives;
- c) the normative references have been updated;
- d) the former Clause 4 "Preliminary test for cartridged explosives" has been revised and moved to the new normative Annex A;
- e) the new Clause 4 "Principle" has been added;
- f) the specifications of former Clauses 5 and 6 have been completely revised and restructured and are now given in the new Clauses 5, 6 and 7;
- g) the new Clause 7 "Procedure" provides with a completely revised test method to verify the resistance to humid or wet conditions;
- h) the Clause 8 "Expression of results" has been added;
- i) the Clause "Test report" does no longer require conformity with EN ISO/IEC 17025 and the information to be provided has been revised;
- j) the former Annex A "Range of applicability of the test method" has been removed;
- k) the Annex ZA has been updated;
- l) the Bibliography has been added and lists EN ISO/IEC 17025:2017.

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.

EN 13631-5:2025 (E)

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 13631 series, published under the general title *Explosives for civil uses — Explosives for blasting, boosters and explosive substances*, 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 resistance to water of explosives for blasting and boosters.

NOTE This test method applies to situations where an explosive for blasting or a booster is subjected to high humidity and contact with water.

This document does not apply to black powder.

This document does not apply to explosive substances.

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 10216-1:2013, *Seamless steel tubes for pressure purposes — Technical delivery conditions — Part 1: Non-alloy steel tubes with specified room temperature properties*

EN 13630-7:2025, *Explosives for civil uses — Detonating cords and safety fuses — Part 7: Verification of reliability of initiation of detonating cords*

EN 13631-1:2025, *Explosives for civil uses — Explosives for blasting, boosters and explosive substances — Part 1: Requirements*

EN 13631-10:2025, *Explosives for civil uses — Explosives for blasting, boosters and explosive substances — Part 10: Verification of the means of initiation of explosives for blasting and boosters*

EN 13631-14:2025, *Explosives for civil uses — Explosives for blasting, boosters and explosive substances — Part 14: Verification of the velocity of detonation of explosives for blasting*

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

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