

<b>STN</b>	<b>Výbušniny na civilné použitie Trhaviny, zosilňovacie náplne a výbušné látky Časť 1: Požiadavky</b>	<b>STN EN 13631-1</b>
		66 8082

Explosives for civil uses - Explosives for blasting, boosters and explosive substances - Part 1: Requirements

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 1: Requirements**

Explosifs à usage civil - Explosifs de mine,  
renforçateurs, et substances explosives - Partie 1 :  
Exigences

Explosivstoffe für zivile Zwecke - Sprengstoffe,  
Verstärkungsladungen und Explosivstoffe - Teil 1:  
Anforderungen

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

## EN 13631-1:2025 (E)

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**EN 13631-1:2025 (E)****European foreword**

This document (EN 13631-1:2025) 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of an identical text or by endorsement, at the latest by April 2026, and conflicting national standards shall be withdrawn at the latest by April 2026.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 supersedes EN 13631-1:2005.

Together with EN 13630-1:2025, EN 13763-1:2025 and EN 13938-1:2025 this document supersedes EN 13857-3:2002.

EN 13631-1:2025 includes the following significant technical changes with respect to EN 13631-1:2005:

- a) the document title has been changed from "Explosives for civil uses — High explosives — Part 1: Requirements" to "Explosives for civil uses — Explosives for blasting, boosters and explosive substances — Part 1: Requirements";
- b) the Scope has been revised completely so that the document now refers to explosives for blasting including black powder used for blasting as well as boosters and explosive substances;
- c) the normative references have been updated;
- d) the Clause 4 "Requirements" has been completely revised and is now called "Requirements for explosives for blasting";
- e) a new Clause 5 "Requirements on black powder used for blasting", a new Clause 6 "Requirements on boosters" and a new Clause 7 "Requirements on explosive substances" have been added;
- f) the requirements on information to be provided for explosives for blasting have been moved from EN 13857-3:2002 to the 4.1, 5.1, 6.1 and 7.1 in revised form;
- g) the former subclauses 4.6 "Safety at extreme temperatures", 4.7 "Safety at loading" and 4.12 "Thermodynamic properties" and the corresponding requirements have been removed;
- h) the former Clause 5 "Other tests" including subclauses 5.1 "Toxic gases" and 5.2 "Explosives for use in hazardous environments" has been removed;
- i) the Annex ZA has been updated;
- j) the Bibliography has been added.

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 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.

**EN 13631-1:2025 (E)**

## 1 Scope

This document specifies requirements for explosives for blasting, boosters and explosive substances.

This document also applies to black powder when used for blasting.

NOTE This document does not apply to black powder when used as propellant, for pyrotechnics or for safety fuses; for requirements for black powder used as propellant, for pyrotechnics or for safety fuses see EN 13938-1:2025.

## 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 13631-2:2025, *Explosives for civil uses — Explosives for blasting, boosters and explosive substances — Part 2: Verification of thermal stability*

EN 13631-3:2025, *Explosives for civil uses — Explosives for blasting, boosters and explosive substances — Part 3: Verification of the insensitiveness to friction of explosives for blasting and explosive substances*

EN 13631-4:2025, *Explosives for civil uses — Explosives for blasting, boosters and explosive substances — Part 4: Verification of the insensitiveness to impact of explosives for blasting and explosive substances*

EN 13631-5:2025, *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*

EN 13631-6:2025, *Explosives for civil uses — Explosives for blasting, boosters and explosive substances — Part 6: Verification of the resistance to hydrostatic pressure of explosives for blasting and boosters*

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 13631-11:2025, *Explosives for civil uses — Explosives for blasting, boosters and explosive substances — Part 11: Verification of the transmission of detonation of cartridge explosives for blasting*

EN 13631-13:2025, *Explosives for civil uses — Explosives for blasting, boosters and explosive substances — Part 13: Verification of density*

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 13631-17:2025, *Explosives for civil uses — Explosives for blasting, boosters and explosive substances — Part 17: Verification of transmission of deflagration of black powder used for blasting*

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 13938-4:2025, *Explosives for civil uses — Propellants and rocket propellants — Part 4: Determination of the burning rate of solid gun propellants and black powder*

**koniec náhľadu – text ďalej pokračuje v platnej verzii STN**