

STN	Výbušniny na civilné použitie Streliviny a pohonné hmoty Časť 2: Overenie odolnosti tuhých strelivín proti elektrostatickému výboju	STN EN 13938-2 66 8102
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Explosives for civil uses - Propellants and rocket propellants - Part 2: Verification of the resistance to electrostatic discharge of solid gun propellants

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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EUROPEAN STANDARD

EN 13938-2

NORME EUROPÉENNE

EUROPÄISCHE NORM

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Supersedes EN 13938-2:2004

English Version

Explosives for civil uses - Propellants and rocket propellants - Part 2: Verification of the resistance to electrostatic discharge of solid gun propellants

Explosifs à usage civil - Poudres propulsives et propergols pour propulseurs - Partie 2 : Vérification de la résistance à la décharge électrostatique des poudres pour armes

Explosivstoffe für zivile Zwecke - Treibladungspulver und Raketentreibstoffe - Teil 2: Bestimmung der Widerstandsfähigkeit gegen elektrostatische Energie

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

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EN 13938-2:2025 (E)

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European foreword

This document (EN 13938-2:2025) 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of an identical text or by endorsement, at the latest by April 2026, and conflicting national standards shall be withdrawn at the latest by April 2026.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 13938-2:2004.

EN 13938-2:2025 includes the following significant technical changes with respect to EN 13938-2:2004:

- a) the document title has been changed from “Part 2: Determination of resistance to electrostatic energy” to “Part 2: Verification of the resistance to electrostatic discharge of solid gun propellants”;
- b) the Scope has been revised to clarify that the document is only applicable to solid gun propellants;
- 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 revised and completed;
- g) the Clause “Test pieces” is now called “Preparation of test sample” and has been revised to simplify the sieving procedure;
- h) the Clause “Procedure” has been revised so that no longer the resistance against electrostatic discharge is determined, instead, a verification of the resistance to electrostatic discharge at an energy level of 0,5 J is carried out;
- i) the 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 in accordance with the revised procedure;
- k) the former Annexes A “Range of applicability of the test method” and B “Sieving method” have been removed;
- l) the former Annex C is now Annex A and the former Annex D is now Annex B – both Annexes have been revised for clarification purposes;
- m) the Annex ZA has been updated;
- n) 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.

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

EN 13938-2:2025 (E)

A list of all parts in the EN 13938 series, published under the general title *Explosives for civil uses — Propellants and rocket propellants*, 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 of solid gun propellants to electrostatic discharge.

This document is applicable to solid gun propellants containing at least 5 % by mass of particles with a particle size ≤ 1 mm.

This document does not apply to solid rocket propellants, powder cake or black powder.

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

ISO 565:1990, *Test sieves — Metal wire cloth, perforated metal plate and electroformed sheet — Nominal sizes of openings*

koniec náhľadu – text ďalej pokračuje v platenej verzii STN