



BSI Standards Publication

Explosives for civil uses — Explosives for blasting, boosters and explosive substances

Part 11: Verification of the transmission of detonation of cartridged explosives for blasting

National foreword

This British Standard is the UK implementation of EN 13631-11:2025. It supersedes BS EN 13631-11:2003, which is withdrawn.

The UK participation in its preparation was entrusted to Technical Committee CII/61, Explosives for civil uses.

A list of organizations represented on this committee can be obtained on request to its committee manager.

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Amendments/corrigenda issued since publication

Date	Text affected

English Version

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

Explosifs à usage civil - Explosifs de mine,
renforçateurs, et substances explosives - Partie 11:
Détermination de la transmission de la détonation des
explosifs

Explosivstoffe für zivile Zwecke - Sprengstoffe,
Verstärkungsladungen und Explosivstoffe - Teil 11:
Überprüfung der Detonationsübertragung von
patronierten Sprengstoffen

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

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

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European foreword

This document (EN 13631-11:2025) 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of an identical text or by endorsement, at the latest by April 2026 and conflicting national standards shall be withdrawn at the latest by April 2026.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 13631-11:2003.

EN 13631-11:2025 includes the following significant technical changes with respect to EN 13631-11:2003:

- a) the document title has been changed from “High explosives — Part 11: Determination of transmission of detonation” to “Explosives for civil uses — Explosives for blasting, boosters and explosive substances — Part 11: Verification of the transmission of detonation of cartridged explosives for blasting”;
- b) the Scope has been revised to clarify the covered and not covered explosives;
- c) the normative references have been updated;
- d) the terminology entry 3.1 has been removed;
- e) Clause 4 “Principle” has been revised and enlarged – it has been clarified that successful transmission is indicated by completed detonation of the acceptor charge;
- f) Clause 5 “Apparatus” has been revised and enlarged;
- g) Clause 6 “Test pieces” is now called “Preparation of test sample” and has been updated and further detailed; test pieces are now conditioned at the specified minimum temperature of use;
- h) Clause 7 “Procedure” has been revised and enlarged to provide with separate specifications for testing without and under confinement as well as for the actual measurement procedure for the velocity of detonation with regard to complete detonation;
- i) Figures 1 to 7 have been revised and partly merged;
- j) 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) Annex A “Range of applicability of the test method” has been removed;
- m) 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.

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.

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