BS EN 13631-14:2025

BSI Standards Publication

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

Part 14: Verification of the velocity of detonation of explosives for blasting

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National foreword

This British Standard is the UK implementation of EN 13631-14:2025. It supersedes BS EN 13631-14:2003, which is withdrawn.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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EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

EN 13631-14

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English Version

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

Explosifs à usage civil - Explosifs de mine, renforçateurs et substances explosives - Partie 14 : Vérification de la vitesse de détonation des explosifs de mine

Explosivstoffe für zivile Zwecke - Sprengstoffe, Verstärkungsladungen und Explosivstoffe - Teil 14: Überprüfung der Detonationsgeschwindigkeit von Sprengstoffen

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

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European foreword

This document (EN 13631-14:2025) 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of an identical text or by endorsement, at the latest by April 2026 and conflicting national standards shall be withdrawn at the latest by April 2026.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 13631-14:2003.

EN 13631-14:2025 includes the following significant technical changes with respect to EN 13631-14:2003:

a) the document title has been changed from "High explosives — Part 14: Determination of velocity of detonation" to "Explosives for civil uses — Explosives for blasting, boosters and explosive substances — Part 14: Determination of velocity of detonation of 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) Clause 4 "Principle" has been revised and enlarged;

e) Clause 5 "Apparatus" has been updated and enlarged, especially, to include an alternative velocity of detonation measuring equipment;

f) Clause 6 "Test pieces" is now called "Preparation of test sample" and has been revised and now provides with specification of the preparation of the test pieces for the test without (6.1) and under confinement (6.2) considering bulk and cartridged explosives;

g) Clause 7 "Procedure" has been revised and enlarged to provide with separate specifications on the attachment of the means to measure the velocity of detonation (7.1), the attachment of the means of initiation (7.2) and the measurement (7.3);

h) Figures 2, 3, 5 and 7 have been added to the document, the existing figures have been revised;

i) 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 and enlarged;

k) former Annex A "Range of applicability of the test method" has been removed;

l) Annex ZA has been updated;

m) the Bibliography has been added and lists, e.g. 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.

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