

**Tsiviilkäibes olevad lõhkeained.
Brisantlõhkeained. Osa 10:
Plahvatuskindluse määramine**

Explosives for civil uses - High explosives - Part 10:
Method for the verification of the means of initiation

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

<p>Käesolev Eesti standard EVS-EN 13631-10:2004 sisaldab Euroopa standardi EN 13631-10:2003 ingliskeelset teksti.</p> <p>Käesolev dokument on jõustatud 27.04.2004 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes.</p> <p>Standard on kättesaadav Eesti standardiorganisatsioonist.</p>	<p>This Estonian standard EVS-EN 13631-10:2004 consists of the English text of the European standard EN 13631-10:2003.</p> <p>This document is endorsed on 27.04.2004 with the notification being published in the official publication of the Estonian national standardisation organisation.</p> <p>The standard is available from Estonian standardisation organisation.</p>
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<p>Käsitlusala:</p> <p>This European Standard specifies a method for the verification of the initiation of a high explosive by a specified initiation system. This method is applicable to high explosives in cartridge or bulk form, both unconfined and confined.</p>	<p>Scope:</p> <p>This European Standard specifies a method for the verification of the initiation of a high explosive by a specified initiation system. This method is applicable to high explosives in cartridge or bulk form, both unconfined and confined.</p>
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ICS 71.100.30

Võtmesõnad:

ICS 71.100.30

English version

Explosives for civil uses - High explosives - Part 10: Method for the verification of the means of initiation

Explosifs à usage civil - Explosifs - Partie 10: Méthode de vérification du moyen d'amorçage

Explosivstoffe für zivile Zwecke - Sprengstoffe - Teil 10: Überprüfung der Zündweise

This European Standard was approved by CEN on 1 September 2003.

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 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 Management Centre has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Luxembourg, Malta, Netherlands, Norway, Portugal, Slovakia, Spain, Sweden, Switzerland and United Kingdom.



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Foreword

This document (EN 13631-10:2003) has been prepared by Technical Committee CEN/TC 321 "Explosives for civil uses", the secretariat of which is held by AENOR.

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 May 2004, and conflicting national standards shall be withdrawn at the latest by May 2004.

This document has been prepared under a mandate given to CEN by the European Commission and the European Free Trade Association, and supports essential requirements of EU Directive(s).

For the relationship with EU Directive(s), see informative annex ZA, which is an integral part of this standard.

This European Standard is one of a series of standards on *Explosives for civil uses – High explosives*. The other parts of this series are:

prEN 13631-1	Part 1: Requirements.
EN 13631-2	Part 2: Determination of thermal stability of explosives.
prEN 13631-3	Part 3: Determination of sensitiveness to friction of explosives.
EN 13631-4	Part 4: Determination of sensitiveness to impact of explosives.
EN 13631-5	Part 5: Determination of resistance to water.
EN 13631-6	Part 6: Determination of resistance to hydrostatic pressure.
EN 13631-7	Part 7: Determination of safety and reliability at extreme temperatures.
EN 13631-11	Part 11: Determination of transmission of detonation.
prEN 13631-12	Part 12: Specification of boosters with different initiating capability.
EN 13631-13	Part 13: Determination of density.
EN 13631-14	Part 14: Determination of velocity of detonation.
prEN 13631-15	Part 15: Calculation of thermodynamic properties.
prEN 13631-16	Part 16: Detection and measurement of toxic gases.

Annex A is informative.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Luxembourg, Malta, Netherlands, Norway, Portugal, Slovakia, Spain, Sweden, Switzerland and the United Kingdom.

1 Scope

This European Standard specifies a method for the verification of the initiation of a high explosive by a specified initiation system.

This method is applicable to high explosives in cartridge or bulk form, both unconfined and confined.

2 Normative references

This European Standard incorporates by dated or undated reference, provisions from other publications. These normative references are cited at the appropriate places in the text, and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this European Standard only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies (including amendments).

prEN 13630-10; *Explosives for civil uses — Detonating cords and safety fuses — Part 10: Determination of the initiating capacity of detonating cords.*

prEN 13631-12; *Explosives for civil uses — High explosives — Part 12: Specification of boosters with different initiating capability.*

EN 13631-14; *Explosives for civil uses — High explosives — Part 14: Determination of velocity of detonation.*

prEN 13763-15; *Explosives for civil uses — Detonators and relays — Part 15: Determination of equivalent initiating capability.*

EN 13857-1:2003; *Explosives for civil uses — Part 1 :Terminology.*

EN ISO/IEC 17025; *General requirements for the competence of testing and calibration laboratories (ISO/IEC 17025:1999).*

ISO 4200:1991; *Plain end steel tubes, welded and seamless — General tables of dimensions and masses per unit length.*

3 Terms and definitions

For the purposes of this European Standard, the terms and definitions given in EN 13857-1:2003 apply.

4 Principle

The explosive is initiated by the means specified by the manufacturer, i.e. detonator, booster or detonating cord.

The detonation is assessed by measuring the velocity of detonation and comparing it with the value claimed by the manufacturer.