

**Tsiviilkäibes olevad lõhkeained.
Brisantlõhkeained. Osa 14:
Detonatsioonikiiruse määramine**

Explosives for civil uses - High explosives - Part 14:
Determination of velocity of detonation

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

<p>Käesolev Eesti standard EVS-EN 13631-14:2003 sisaldab Euroopa standardi EN 13631-14:2003 ingliskeelset teksti.</p> <p>Käesolev dokument on jõustatud 16.05.2003 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes.</p> <p>Standard on kättesaadav Eesti standardiorganisatsioonist.</p>	<p>This Estonian standard EVS-EN 13631-14:2003 consists of the English text of the European standard EN 13631-14:2003.</p> <p>This document is endorsed on 16.05.2003 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: This European Standard specifies a method for determining the velocity of detonation of an explosive. The method is applicable to explosives for civil uses in cartridged or bulk form</p>	<p>Scope: This European Standard specifies a method for determining the velocity of detonation of an explosive. The method is applicable to explosives for civil uses in cartridged or bulk form</p>
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ICS 71.100.30

Võtmesõnad:

ICS 71.100.30

English version

Explosives for civil uses - High explosives - Part 14: Determination of velocity of detonation

Explosifs à usage civil - Explosifs - Partie 14: Détermination
de la vitesse de détonation

Explosivstoffe für zivile Zwecke - Sprengstoffe - Teil 14:
Bestimmung der Detonationsgeschwindigkeit

This European Standard was approved by CEN on 17 January 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 13631-14:2003 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 October 2003, and conflicting national standards shall be withdrawn at the latest by October 2003. 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 relationship with EU Directive(s), see informative annex ZA, which is an integral part of this document.

Annex A is informative.

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
prEN 13631-7	Part 7: Determination of safety and reliability at extreme temperatures
prEN 13631-10	Part 10: Verification of the means of initiation
prEN 13631-11	Part 11: Determination of transmission of detonation
prEN 13631-12	Part 12: Specifications of boosters with different initiating capability
EN 13631-13	Part 13: Determination of density
prEN 13631-15	Part 15: Calculation of thermodynamic properties
prEN 13631-16	Part 16: Detection and measurement of toxic gases

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 determining the velocity of detonation of an explosive. The method is applicable to explosives for civil uses in cartridge or bulk form.

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 13857-1:2001; *Explosives for civil uses — Part 1: Terminology*.

prEN 13631-10; *Explosives for civil uses — High explosives — Part 10: Verification of the means of initiation*.

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 prEN 13857-1:2001 apply.

4 Principle

The time taken for the detonation front to pass between two sensors a known distance apart is measured.

5 Apparatus

5.1 Means of initiation, as specified by the explosive manufacturer in accordance with prEN 13631-10.

5.2 Steel tubes

The dimensions of the steel tubes shall be in accordance with ISO 4200:1991, Table 1, range of preferred thickness E, an extract from which is given in Table 1 of this standard.