



SLOVENSKI STANDARD
SIST EN 13631-12:2005
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Explosives for civil uses - High explosives - Part 12: Specifications of boosters with different initiating capability

Explosivstoffe für zivile Zwecke - Sprengstoffe - Teil 12: Festlegung von Verstärkungsladungen mit unterschiedlicher Zündfähigkeit

iTeh STANDARD PREVIEW

Explosifs a usage civil - Explosifs (standard iTeh.ai) Partie 12 : Détermination de la capacité d'amorçage des relais de détonation

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Ta slovenski standard je istoveten z: EN 13631-12:2004

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71.100.30

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English version

Explosives for civil uses - High explosives - Part 12: Specifications of boosters with different initiating capability

Explosifs à usage civil - Explosifs - Partie 12 :
Détermination de la capacité d'amorçage des relais de
détonation

Explosivstoffe für zivile Zwecke - Sprengstoffe - Teil 12:
Festlegung von Verstärkungsladungen mit
unterschiedlicher Zündfähigkeit

This European Standard was approved by CEN on 23 August 2004.

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 Central Secretariat 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 Central Secretariat has the same status as the official versions.

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

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Foreword

This document (EN 13631-12:2004) 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 2005, and conflicting national standards shall be withdrawn at the latest by May 2005.

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.

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

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|---------------|--|
| prEN 13631-1 | Part 1: <i>Requirements</i> . |
| EN 13631-2 | <i>Part 2: Determination of thermal stability of explosives</i> |
| EN 13631-3 | <i>Part 3: Determination of sensitiveness to friction of explosives</i> |
| EN 13631-4 | <i>Part 4: Determination of sensitiveness to impact of explosives</i> |
| EN 13631-5 | <i>Part 5: Determination of resistance to water</i> |
| EN 13631-6 | <i>Part 6: Determination of resistance to hydrostatic pressure</i> |
| EN 13631-7 | <i>Part 7: Determination of safety and reliability at extreme temperatures</i> |
| EN 13631-10 | <i>Part 10: Verification of the means of initiation</i> |
| EN 13631-11 | <i>Part 11: Determination of transmission of detonation</i> |
| EN 13631-13 | <i>Part 13: Determination of density</i> |
| EN 13631-14 | <i>Part 14: Determination of velocity of detonation</i> |
| prEN 13631-15 | <i>Part 15: Calculation of thermodynamic properties</i> |
| EN 13631-16 | <i>Part 16: Detection and measurement of toxic gases</i> |

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

1 Scope

This document specifies a series of boosters for testing purposes.

2 Normative references

The following referenced documents are indispensable for the application 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 13857-1:2003, *Explosives for civil uses - Part 1: Terminology*

3 Terms and definitions

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

4 Description

Three boosters of different initiating capability are defined by their composition (base explosive type and content), density, mass and diameter.

4.1 Explosive

A pentaerythritol tetranitrate (PETN)-based plastic explosive shall be used.

The PETN content shall be a mass fraction of 82 % to 88 %.

The density of the plastic explosive shall be 1,45 g/cm³ to 1,55 g/cm³.

4.2 Mass and diameter

The boosters shall conform to Table 1.

Table 1 — Mass and diameter

Type	Mass g	Diameter mm
I (small)	20 ± 2	20 ± 2
II (medium)	200 ± 20	44 ± 4
III (large)	1 000 ± 100	75 ± 7

Annex ZA (informative)

Relationship between this European Standard and the Essential Requirements of EU Directive 93/15/EEC.

This European Standard has been prepared under a mandate given to CEN by the European Commission and the European Free Trade Association to provide a means of conforming to Essential Requirements of the new approach Directive 93/15 EEC.

Once this standard is cited in the Official Journal of the European Communities under that Directive and has been implemented as a national standard in at least one Member State, compliance with the normative clauses of this standard confers, within the limits of the scope of this standard, a presumption of conformity with II.1(m) and II.2.A(a) of that Directive and associated EFTA regulations.

WARNING : Other requirements and other EU Directives may be applicable to the product(s) falling within the scope of this standard.

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