

**Explosiva varor för civilt bruk – Stubiner –**  
Del 10: Bestämning av detonerade stubins  
initierförmåga

**Explosives for civil uses – Detonating cords  
and safety fuses –**  
Part 10: Determination of initiating capability of  
detonating cords

Europastandarden EN 13630-10:2005 gäller som svensk standard. Detta dokument innehåller den officiella engelska versionen av EN 13630-10:2005.

The European Standard EN 13630-10:2005 has the status of a Swedish Standard. This document contains the official English version of EN 13630-10:2005.

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EUROPEAN STANDARD  
NORME EUROPÉENNE  
EUROPÄISCHE NORM

**EN 13630-10**

May 2005

ICS 71.100.30

English version

## Explosives for civil uses - Detonating cords and safety fuses - Part 10: Determination of initiating capability of detonating cords

Explosifs à usage civil - Cordeaux détonants et mèches de sûreté - Partie 10: Détermination de la capacité d'allumage des cordeaux détonants

Explosivstoffe für zivile Zwecke - Sprengschnüre und Sicherheitsanzündschnüre - Teil 10: Bestimmung der Zündfähigkeit von Sprengschnüren

This European Standard was approved by CEN on 25 March 2005.

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.

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## Foreword

This European Standard (EN 13630-10:2005) 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of an identical text or by endorsement, at the latest by November 2005, and conflicting national standards shall be withdrawn at the latest by November 2005.

This European Standard 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 document.

This document is one of a series of standards with the generic title *Explosives for civil uses – Detonating cords and safety fuses*. The other parts of this series are listed below:

EN 13630-1	Part 1: Requirements
EN 13630-2	Part 2: Determination of thermal stability of detonating cords and safety fuses
EN 13630-3	Part 3: Determination of sensitiveness to friction of the core of detonating cords
EN 13630-4	Part 4: Determination of sensitiveness to impact of detonating cords
EN 13630-5	Part 5: Determination of resistance to abrasion of detonating cords
EN 13630-6	Part 6: Determination of resistance to tension of detonating cords
EN 13630-7	Part 7: Determination of reliability of initiation of detonating cords
EN 13630-8	Part 8: Determination of resistance to water of detonating cords and safety fuses
EN 13630-9	Part 9: Determination of transmission of detonation from detonating cord to detonating cord
EN 13630-11	Part 11: Determination of velocity of detonation of detonating cords
EN 13630-12	Part 12: Determination of burning duration of safety fuses

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.

**EN 13630-10:2005 (E)****1 Scope**

This European Standard specifies a method for determining the initiating capability of flexible plastic-coated detonating cords and flexible fibrous-overbraided detonating cords, for civil use. It applies only to those detonating cords, having a maximum grammage of 40 g/m, that are used to initiate another detonating cord or a high explosive.

NOTE The limitations of this method are described in Annex B.

**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 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 536, *Paper and board — Determination of grammage. (ISO 536:1995)*

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

**3 Terms and definitions**

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

**4 Principle**

A detonating cord is taped tightly to a stack of paper cards. The detonating cord is detonated and the total numbers of cards cut is used as a measure of the initiating capability of the detonating cord.

**5 Apparatus****5.1 Detonator**

A detonator of equivalent initiating capability, determined in accordance with EN 13763-15, as specified by the manufacturer of the detonating cord.

**5.2 Paper cards**

Cards cut from plain non-coated paper of a grammage ( $g_c$ ) between 240 g/m<sup>2</sup> and 260 g/m<sup>2</sup> as determined according to EN ISO 536. The dimensions of the paper cards shall be (100 ± 5) mm long and (50 ± 5) mm wide.

**5.3 Support plate**

Steel or aluminium plate (200 ± 20) mm long and (60 ± 5) mm wide. The thickness shall be at least 4,0 mm.

**5.4 Tape**

Sticky tape, width (20 ± 2) mm.