

**PÜROTEHNILISED TOOTED. MUUD PÜROTEHNILISED  
TOOTED. OSA 2: NÕUDED**

**Pyrotechnic articles - Other pyrotechnic articles - Part  
2: Requirements**

## EESTI STANDARDI EESSÕNA

## NATIONAL FOREWORD

See Eesti standard EVS-EN 16263-2:2015 sisaldab Euroopa standardi EN 16263-2:2015 ingliskeelset teksti.	This Estonian standard EVS-EN 16263-2:2015 consists of the English text of the European standard EN 16263-2:2015.
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English Version

## Pyrotechnic articles - Other pyrotechnic articles - Part 2: Requirements

Articles pyrotechniques - Autres articles pyrotechniques -  
Partie 2 : Exigences

Pyrotechnische Gegenstände - Sonstige pyrotechnische  
Gegenstände - Teil 2: Anforderungen

This European Standard was approved by CEN on 6 February 2015.

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## European foreword

This document (EN 16263-2:2015) has been prepared by Technical Committee CEN/TC 212 "Pyrotechnic articles", the secretariat of which is held by NEN.

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of an identical text or by endorsement, at the latest by February 2016, and conflicting national standards shall be withdrawn at the latest by February 2016.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN [and/or CENELEC] shall not be held responsible for identifying any or all such patent rights.

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 or Annex ZB, which are an integral part of this document.

This European standard is one of the series of standards as listed below:

- EN 16263-1, *Pyrotechnic articles — Other pyrotechnic articles — Part 1: Terminology*;
- EN 16263-2, *Pyrotechnic articles — Other pyrotechnic articles — Part 2: Requirements*;
- EN 16263-3, *Pyrotechnic articles — Other pyrotechnic articles — Part 3: Categories and types*;
- EN 16263-4, *Pyrotechnic articles — Other pyrotechnic articles — Part 4: Test methods*;
- EN 16263-5, *Pyrotechnic articles — Other pyrotechnic articles — Part 5: Minimum labelling requirements and instructions for use*.

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

## 1 Scope

This European Standard specifies requirements for the construction and performances of other pyrotechnic articles, except pyrotechnic articles for vehicles, ignition devices and cartridges for powder actuated tools (PAT), of the following generic types:

- flares;
- flash devices;
- gas generators;
- heaters;
- other cartridges;
- pyromechanical devices;
- rockets and rocket motors;
- semi-finished pyrotechnic articles;
- smoke / aerosol generators;
- sound emitters;
- pyrotechnic liquid dispersers.

This European Standard does not apply for articles containing pyrotechnic compositions that include any of the following substances:

- arsenic or arsenic compounds;
- polychlorobenzenes;
- mercury compounds;
- lead compounds (except for those included in ignition devices);
- white phosphorus;
- picrates or picric acid.

This European Standard does not apply to pyrotechnic articles that contain detonative explosives other than black powder and/or flash composition, if these detonative explosives:

- can be easily extracted from the pyrotechnic article, or;
- can initiate secondary explosives, or;
- can function in a detonative manner although the article is not designed to detonate and the article belongs to the category P2.

## 2 Normative references

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

EN 16263-1:2015, *Pyrotechnic articles — Other pyrotechnic articles — Part 1: Terminology*

EN 16263-3:2015, *Pyrotechnic articles — Other pyrotechnic articles — Part 3: Categories and types*

EN 16263-4:2015, *Pyrotechnic articles — Other pyrotechnic articles — Part 4: Test methods*

EN 16263-5:2015, *Pyrotechnic articles — Other pyrotechnic articles — Part 5: Minimum labelling requirements and instructions for use*

prEN 16265:2013, *Pyrotechnic articles — Other pyrotechnic articles — Ignition devices*

ISO 2859-1, *Sampling procedures for inspection by attributes — Part 1: Sampling schemes indexed by acceptance quality limit (AQL) for lot-by-lot inspection*

## 3 Terms and definitions

For the purposes of this document, the terms and definitions given in EN 16263-1:2015 apply.

## 4 General and safety requirements

### 4.1 Incompatible substances

Pyrotechnic articles shall not contain incompatible substances as defined in EN 16263-1:2015, 2.2.23 unless effective measures have been taken to permanently segregate incompatible substances one from the other, effective measures have been taken to stabilize mixtures of incompatible substances, or the manufacturer can demonstrate that any mixtures of incompatible substances do not present a risk to safety.

This requirement shall be verified by examination of the design from the manufacturer's documentation.

### 4.2 Safe disposal

Each pyrotechnic article shall be designed and manufactured in such a way that it can be disposed of safely by a suitable process with minimum effect on the environment.

This requirement shall be verified by examination of the information about safe disposal in the instructions for use.

### 4.3 Means of ignition

Any means of ignition shall be protected to avoid accidental initiation of the article. This requirement shall be verified by visual examination.

For pyrotechnic articles equipped with ignition devices which are CE type certified, no further testing of the ignition devices is required.

If the pyrotechnic article is equipped with ignition devices which are not CE type certified, the ignition devices shall comply with the following requirements of prEN 16265:2013:

- safety features (see 4.5 and prEN 16265:2013, 5.5);