
Pirotehnični izdelki - Drugi pirotehnični izdelki - 5. del: Minimalne zahteve za označevanje in navodila za uporabo

Pyrotechnic articles - Other pyrotechnic articles - Part 5: Minimum labelling requirements and instructions for use

Pyrotechnische Gegenstände - Sonstige pyrotechnische Gegenstände - Teil 5: Mindestanforderungen und die Kennzeichnung und Gebrauchsanweisung

Articles pyrotechniques - Autres articles pyrotechniques - Partie 5 : Exigences minimales d'étiquetage et documentation utilisateur

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Ta slovenski standard je istoveten z: prEN 16263-5

ICS:

71.100.30

Eksplozivi. Pirotehnika in
ognjemeti

Explosives. Pyrotechnics and
fireworks

oSIST prEN 16263-5:2021

en

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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

DRAFT
prEN 16263-5

June 2021

ICS 71.100.30

Will supersede EN 16263-5:2015

English Version

**Pyrotechnic articles - Other pyrotechnic articles - Part 5:
Minimum labelling requirements and instructions for use**

Articles pyrotechniques - Autres articles
pyrotechniques - Partie 5 : Exigences minimales
d'étiquetage et documentation utilisateur

Pyrotechnische Gegenstände - Sonstige pyrotechnische
Gegenstände - Teil 5: Mindestanforderungen an die
Kennzeichnung und Gebrauchsanweisung

This draft European Standard is submitted to CEN members for enquiry. It has been drawn up by the Technical Committee CEN/TC 212.

If this draft becomes a European Standard, 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.

This draft European Standard was established by CEN 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 CEN-CENELEC Management Centre has the same status as the official versions.

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Recipients of this draft are invited to submit, with their comments, notification of any relevant patent rights of which they are aware and to provide supporting documentation.

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EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

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European foreword

This document (prEN 16263-5:2021) has been prepared by Technical Committee CEN/TC 212 “Pyrotechnic articles”, the secretariat of which is held by NEN.

This document is currently submitted to the CEN Enquiry.

This document will supersede EN 16263-5:2015.

In comparison with the previous edition, the following technical modifications have been made:

- references to 2007/23/EC are replaced by references to 2013/29/EU. Annex ZA has been adjusted accordingly;
- Annex ZB has been deleted. Annex ZA has been adjusted accordingly;
- Annex A has been deleted;
- 4.2 on the information on manufacturer or importer has been technically changed;
- 4.3.3 has been adjusted to add a requirement on the labelling of selection packs;
- a clause on product, batch or serial number has been added, see 4.3.5;
- 4.5 on the instructions for use has been technically changed;
- 4.6 on the safe firing distance/s and hazard zone has been technically changed;
- 4.7 on the Net Explosive Content has been technically changed;
- 4.12 on the printing has been technically changed.

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 document is one of the series of standards as listed below:

- EN 16263-1¹, *Pyrotechnic articles — Other pyrotechnic articles — Part 1: Terminology*;
- EN 16263-2², *Pyrotechnic articles — Other pyrotechnic articles — Part 2: Requirements*;
- EN 16263-3³, *Pyrotechnic articles — Other pyrotechnic articles — Part 3: Categories and types*;

¹ Under preparation. Stage at the time of publication: prEN 16263-1:2021.

² Under preparation. Stage at the time of publication: prEN 16263-2:2021.

³ Under preparation. Stage at the time of publication: prEN 16263-3:2021.

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- EN 16263-4⁴, *Pyrotechnic articles — Other pyrotechnic articles — Part 4: Test methods*;
- EN 16263-5⁵, *Pyrotechnic articles — Other pyrotechnic articles — Part 5: Minimum labelling requirements and instructions for use*.

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⁴ Under preparation. Stage at the time of publication: prEN 16263-4:2021.

⁵ Under preparation. Stage at the time of publication: prEN 16263-5:2021.

1 Scope

This document specifies the minimum labelling requirements and the mandatory instructions for use for other pyrotechnic articles (except pyrotechnic articles for vehicles, cartridges for powder actuated tools and ignition devices).

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements 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 16263-1:—¹, *Pyrotechnic articles - Other pyrotechnic articles - Part 1: Terminology*

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

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

EN 80000/EN ISO 80000 (all parts), *Quantities and units (ISO/IEC 80000)*

EN ISO 7010:2020,⁶ *Graphical symbols - Safety colours and safety signs - Registered safety signs (ISO 7010:2019, Corrected version 2020-06)*

ISO 3864-1:2011, *Graphical symbols — Safety colours and safety signs — Part 1: Design principles for safety signs and safety markings*

ISO 7000:2019, *Graphical symbols for use on equipment — Registered symbols*

3 Terms and definitions

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

ISO and IEC maintain terminological databases for use in standardization at the following addresses:

- IEC Electropedia: available at <https://www.electropedia.org/>
- ISO Online browsing platform: available at <https://www.iso.org/obp>

4 Minimum labelling requirements

4.1 General

Manufacturers shall ensure that other pyrotechnic articles are labelled correctly, visibly, legibly and indelibly.

NOTE According to Article 10 of Directive 2013/29/EU, manufacturer ensures the labelling in the official language(s) of the Member State in which the article is sold to the consumer. Special storage conditions (if any) are displayed on the packaging.

Articles shall be marked with the information specified in 4.2 to 4.11.

⁶ As impacted by EN ISO 7010:2020/A1:2020.

4.2 Information on manufacturer or importer

Labelling shall include the name, registered trade name or registered trade mark and the postal address of the manufacturer. The address shall indicate a single point at which the manufacturer can be contacted.

If the manufacturer is not established in the European Union, the labelling shall include the names, registered trade names or registered trademarks of the manufacturer and of the importer and the postal addresses at which they can be contacted.

4.3 Type of article, category and registration number

4.3.1 Type of article

The subtype of the article or the generic type if the article does not belong to a subtype shall be marked in upper case according to EN 16263-3:—³, Clauses 4 and 5.

4.3.2 Name of article

If a trade name is used in addition to the subtype or generic type, it shall not conflict with the principal effects of the relevant type of article or with the name of another type of article.

If the trade name fully reflects the subtype or the generic type, they need not be repeated. The trade name may give additional information.

EXAMPLE HAND HELD ROCKET white.

If articles exhibit effects, in addition to the first principal effect, that might be unexpected by users, the sequence of effects shall be indicated for safety reasons: e.g. '2 x SHOT DISTRESS SIGNAL'.

4.3.3 Category and registration number

The registration number for product traceability shall be marked in accordance with the example below:

XXXX - YY - ZZZZ...

where

- XXXX refers to the identification number of the notified body issuing the EC-type examination certificate;
- YY refers to the article category in abbreviated format (P1 or P2); and
- ZZZZ... is a processing number used by the notified body issuing the EC-type examination certificate according to module B or unit verification according to module G of Annex 2 to Directive 2013/29/EU.

Labelling of selection packs shall display the category of the contents. If a selection pack contains P1 and P2 articles, then it shall be marked P2.

4.3.4 Identification number of the notified body

CE-marking is followed by the identification number of the Notified Body responsible for monitoring the quality system or checking conformity to type.

4.3.5 Product, batch or serial number

The product, batch or serial number at the minimum shall be displayed on the label of the article.

4.4 Age limits

The minimum age limits applicable in the country in which the article is offered for retail sale shall be clearly stated on the label.

The minimum age limit of 18 years applies for P1 articles, unless the individual Member State has modified these age limits according to the provisions of Directive 2013/29/EU, Article 7 (2).

4.5 Instructions for use

Instructions for use shall be supplied by the manufacturer/importer, including information relating to any special ancillary equipment necessary for the safe use of the article.

Safety information shall be emphasized by use of a heading, or bold type, or use of graphical symbols according to ISO 3864-1:2011, ISO 7000:2019 and/or EN ISO 7010:2020⁶. If the article or primary pack is not labelled with the required information then the article or primary pack shall be labelled with the sentence "User must read and follow the instructions enclosed given by the manufacturer" or equivalent wording, emphasized by use of a heading, or bold type, or similar.

In addition to the requirements of 4.6 and 4.8, instructions for use shall, where applicable, include the following information:

- a) description and operating instructions for safe functioning, including specification of the method of ignition;
- b) product data (type of effect, effect time, direction of ejection, sound pressure level, etc.) shall be clearly displayed on the article or given in the instructions for use;
- c) specification of the ancillary equipment needed and corresponding operating instructions for safe functioning of the pyrotechnic article;
- d) instructions for safe handling;
- e) for P1 articles, information whether the C-weighted sound pressure level is higher than 135 dB or the maximum A-weighted impulse sound pressure level (L_{AImax}) exceeds 115 dB at the declared safety distance; if the C-weighted sound pressure level is higher than 135 dB or the maximum A-weighted impulse sound pressure level (L_{AImax}) exceeds 115 dB, a corresponding warning shall be given by the manufacturer on the label or in the instructions for use. This criterion is not applicable to life saving devices and fire extinguishers or when the intrinsic noise level of the article is effectively damped when used normally (e.g. mole killing devices);
- f) information about the presence of projected debris and fragments and about the corresponding safety instructions;
- g) storage conditions (e.g. storage temperature) and instructions for safe handling and storage;
- h) instructions for safe disposal;
- j) personal protective equipment (PPE) as specified by the manufacturer or importer, and required during normal use, including references to European or other recognized national and international standards applicable to Personal Protective Equipment, or other protective measures required during the safe handling and use of the article;
- k) the instructions for use shall contain the following sentence: "Don't fire the article if you cannot clearly control the absence of people within the safe firing distance and/or the hazard zone!" or equivalent wording;

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- l) for P2 articles, information about the risk persons might be exposed to inside the hazard zone shall be given by the manufacturer in the instructions for use, e.g. where appropriate:
- 1) noise level at either the hazard zone boundary or at a defined distance from the article under defined conditions;
 - 2) thermal flux at either the hazard zone boundary or at a defined distance from the article under defined conditions;
 - 3) the likely length of any projected flames or radius of any fireball;
 - 4) the form (quantity) and likely distribution within the hazard zone of any expected falling debris and or projected fragments;
 - 5) whether any of the expected falling debris or projected fragments present a fire or other thermal hazard;
 - 6) the mass of any expected falling debris and/or any projected fragments;
 - 7) the expected energies of any expected falling debris and / or any projected fragments;
- n) for smoke/aerosols generators, even when the article is used outdoor, easily understandable and practicable instructions for use shall point out the right way of firing the article in order not to expose the user and surrounding people to possible hazards linked to the chemical and physical nature of the smoke/aerosol (e.g. pesticides). When used inside, it shall clearly be indicated how to proceed after firing to eliminate remaining chemicals in order to avoid any dangerous exposure to them (compulsory for pesticides).

4.6 Safe firing distance/s and hazard zone

Where applicable, a safe firing distance (see EN 16263-3:—³, 6.2.2.5.2) shall be displayed on the label and the dimensions of the hazard zone (see EN 16263-3:—³, 6.2.2.5.3) shall be given in the instructions for use.

For P1 articles, the safe firing distance and the dimensions of the hazard zone shall be determined by the manufacturer in accordance with the criteria of EN 16263-3. The means of controlling or maintaining the safe firing distance and/or the hazard zone should either be advised or supplied by the manufacturer in the instructions for use.

For P2 articles, when a single value of the safe firing distance cannot be given or a hazard zone cannot be described, necessary data to calculate or determine the safe firing distances and/or the hazard zone shall be displayed on the label and/or calculation methods shall be supplied in the instructions for use. In that case, the following information shall be printed on the label: “Minimum safety distance to be determined by user using supplied product data” and “Article to be used in accordance with written instructions and national regulations”.

For Pyrotechnic Actuated Dispersers of category P1 that intentionally by design project or propel solid objects other than soft light-weight materials such as paper, cork, non-rigid foams, the controlled area that prevents through design or size the intentionally projected or propelled objects from leaving the area shall be described in the instructions for use. The articles or their primary packs shall be marked with the following sentences:

- Only for use within supervised controlled activity areas.
- Before use ensure all persons within the controlled area are wearing the correct protective equipment as required by the activity being undertaken.