



SLOVENSKI STANDARD

SIST EN 16263-5:2015

01-oktober-2015

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

Pyrotechnic articles - Other pyrotechnic articles - Part 5: Minimum labelling and end users documentation

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

Articles pyrotechniques - Autres articles pyrotechniques - Partie 5: Étiquetage minimal et documentation pour l'utilisateur final

[SIST EN 16263-5:2015](https://standards.iteh.ai/catalog/standards/sist/9dbd35fa-d89e-4e59-8303-0ce7f86d3161/sist-en-16263-5-2015)

[https://standards.iteh.ai/catalog/standards/sist/9dbd35fa-d89e-4e59-8303-](https://standards.iteh.ai/catalog/standards/sist/9dbd35fa-d89e-4e59-8303-0ce7f86d3161/sist-en-16263-5-2015)

[0ce7f86d3161/sist-en-16263-5-2015](https://standards.iteh.ai/catalog/standards/sist/9dbd35fa-d89e-4e59-8303-0ce7f86d3161/sist-en-16263-5-2015)

Ta slovenski standard je istoveten z: EN 16263-5:2015

ICS:

71.100.30 Eksplozivi. Pirotehnika Explosives. Pyrotechnics

SIST EN 16263-5:2015

en,fr,de

iTeh STANDARD PREVIEW
(standards.iteh.ai)

SIST EN 16263-5:2015

<https://standards.iteh.ai/catalog/standards/sist/9dbd35fa-d89e-4e59-8303-0ce7f86d3161/sist-en-16263-5-2015>

EUROPEAN STANDARD

EN 16263-5

NORME EUROPÉENNE

EUROPÄISCHE NORM

August 2015

ICS 71.100.30

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: Kennzeichnung und
Benutzerinformationmaterial

This European Standard was approved by CEN on 7 February 2015.

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 CEN-CENELEC 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 CEN-CENELEC Management Centre has the same status as the official versions.

CEN members are the national standards bodies of 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 United Kingdom.

<https://standards.iteh.ai/catalog/standards/sist/9dbd35fa-d89e-4e59-8303-0ce7f86d3161/sist-en-16263-5-2015>



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

CEN-CENELEC Management Centre: Avenue Marnix 17, B-1000 Brussels

Contents

	Page
European foreword	3
1 Scope	4
2 Normative references	4
3 Terms and definitions	4
4 Minimum labelling requirements.....	4
4.1 General.....	4
4.2 Information on manufacturer or importer	4
4.3 Type of article, category and registration number.....	5
4.3.1 Type of article.....	5
4.3.2 Name of article	5
4.3.3 Category and registration number.....	5
4.3.4 Identification number of the notified body.....	5
4.4 Age limits.....	5
4.5 Instructions for use	5
4.6 Safe firing distance/s and hazard zone	7
4.7 Net Explosive Content.....	7
4.8 Means of ignition	7
4.9 Safe/arm device.....	7
4.10 Direction of effect	8
4.11 'Use by' date.....	8
4.12 Printing	8
4.13 Marking of very small items.....	8
Annex A (informative) Overview of essential safety requirements and corresponding clauses of all parts of EN 16263.....	9
Annex ZA (informative) Relationship between this European Standard and the Essential Requirements of EU Directive 2007/23/EC on the placing on the market of pyrotechnic articles	10
Annex ZB (informative) Relationship between this European Standard and the Essential Requirements of EU Directive 2013/29/EU on the placing on the market of pyrotechnic articles	11
Bibliography.....	12

iTech STANDARD PREVIEW
(standards.itech.ai)

SIST EN 16263-5:2015
<https://standards.itech.ai/catalog/standards/sist/9dbd35fa-d89e-4e59-8303-0cc7f86d3f61/sist-en-16263-5-2015>

European foreword

This document (EN 16263-5:2015) 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.

EN 16263-5:2015 (E)**1 Scope**

This European Standard 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, in whole or in part, are 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 80000/EN ISO 80000 (all parts), *Quantities and units (ISO/IEC 80000, all parts)*

EN ISO 7010, *Graphical symbols — Safety colours and safety signs — Registered safety signs (ISO 7010)*

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

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

iTeh STANDARD PREVIEW
(standards.iten.ai)

3 Terms and definitions

SIST EN 16263-5:2015

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

<https://standards.iten.ai/standards/016263-5-2015>
0ce7f86d3161/sist-en-16263-5-2015

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 12 of Directive 2007/23/EC and 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.

4.2 Information on manufacturer or importer

Labelling shall include the name and the address of the manufacturer.

If the manufacturer is not established in the European Community, the labelling shall include the name of the manufacturer and the name and the address of the importer.

The address shall comprise at least the town and the country.

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 16263-3:2015, 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 of Directive 2007/23/EC and Directive 2013/29/EU.

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.

4.4 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 2007/23/EC, 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, ISO 7000 and/or EN ISO 7010. 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

EN 16263-5:2015 (E)

follow the instructions enclosed given by the manufacturer”, 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 P2 articles, information about the risk persons might be exposed to inside the hazard zone as listed in EN 16263-3:2015, 6.2.2.5.3;
- f) 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;
- g) information about the presence of projected debris and fragments and about the corresponding safety instructions
- h) storage conditions (e.g. storage temperature) and instructions for safe handling and storage;
- i) instructions for safe disposal;
- j) manufacturer's and where applicable importer's contact information indicating name and address;
- k) 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;
- l) 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!";
- m) 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 P1 articles, 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);
- o) 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 16263-3:2015, 6.2.2.5.2) shall be displayed on the label and the dimensions of the hazard zone (see EN 16263-3:2015, 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 document 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".

All values shall be displayed in the International System of units (see EN 80000/EN ISO 80000 (all parts)).

4.7 Net Explosive Content¹⁾

The labelling shall include the net explosive content of the article.

4.8 Means of ignition

The method of ignition shall be clearly visible or printed on the label. When it is not possible, it shall be indicated by simple, complete and clear instructions in the instructions for use.

When the initiation system includes a delay element, the expected duration of that delay shall be displayed on the label.

4.9 Safe/arm device

When the article is equipped with a manually actuated safe/arm device, specific labelling shall be provided for the user to identify whether the article is in the safe or armed position or not.

1) The Net Equivalent Quantity of active explosive material (NEQ), in this standard, is the Net Explosive Content and the abbreviation "NEC" may be used for the labelling.