
Pirotehnični izdelki - Ognjemetni izdelki, kategorija 4 - 4. del: Minimalne zahteve za označevanje in navodila za uporabo

Pyrotechnic articles - Fireworks, Category 4 - Part 4: Minimum labelling requirements and instructions for use

Pyrotechnische Gegenstände - Feuerwerkskörper, Kategorie 4 - Teil 4: Mindestanforderungen an die Kennzeichnung und Gebrauchsanweisung

Articles pyrotechniques - Artifices de divertissement, Catégorie 4 - Partie 4: Exigences minimales d'étiquetage et documentation utilisateur

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Ta slovenski standard je istoveten z: EN 16261-4:2012

ICS:

71.100.30 Eksplozivi. Pirotehnika Explosives. Pyrotechnics

SIST EN 16261-4:2012

en,de

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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN 16261-4

August 2012

ICS 71.100.30

English Version

**Pyrotechnic articles - Fireworks, Category 4 - Part 4: Minimum
labelling requirements and instructions for use**

Articles pyrotechniques - Artifices de divertissement,
Catégorie 4 - Partie 4: Exigences minimales d'étiquetage et
documentation utilisateur

Pyrotechnische Gegenstände - Feuerwerkskörper,
Kategorie 4 - Teil 4: Mindestanforderungen an die
Kennzeichnung und Gebrauchsanweisung

This European Standard was approved by CEN on 20 July 2012.

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.

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Foreword

This document (EN 16261-4:2012) 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 2013, and conflicting national standards shall be withdrawn at the latest by February 2013.

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, which is an integral part of this document.

EN 16261 is divided into the following parts:

- EN 16261-1, *Pyrotechnic articles — Fireworks, category 4 — Part 1: Terminology*;
- EN 16261-2, *Pyrotechnic articles — Fireworks, category 4 — Part 2: Requirements*;
- EN 16261-3, *Pyrotechnic articles — Fireworks, category 4 — Part 3: Test methods*;
- EN 16261-4, *Pyrotechnic articles — Fireworks, category 4 — Part 4: 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 16261-4:2012 (E)**1 Scope**

This European Standard specifies the minimum labelling requirements and the mandatory instructions for use for category 4 fireworks.

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 16261-1:2012, *Pyrotechnic articles — Fireworks, Category 4 — Part 1: Terminology*

EN 16261-2:2012, *Pyrotechnic articles — Fireworks, Category 4 — Part 2: Requirements*

EN 16261-3:2012, *Pyrotechnic articles — Fireworks, Category 4 — Part 3: Test methods*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in EN 16261-1:2012 apply.

4 Minimum labelling requirements**4.1 General**

Fireworks shall be marked with the minimum information specified in 4.2 to 4.12.

Conformity to the requirements specified in 4.1 to 4.12 shall be verified by visual examination.

The specified information shall be given in the official language(s) of the member state in which the firework is placed on the market.

For each language, the minimum specified information shall be presented as a whole and shall not be interrupted by other text. Additional text given in any language shall not conflict with the above specified information.

4.2 Name and type of firework

Labels to be provided directly on the article (or on the smallest piece of packaging if the article does not provide sufficient space for the labelling requirements) shall include the subtype (or generic type if the article does not belong to a subtype) (see EN 16261-1), plus a concise designation of the field of use whenever it is necessary to assure a safe and correct use of the article.

EXAMPLE “Shell” or “Bengal flame” or “Shell in mortar”.

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

4.3 Category and registration number

The registration number for tracing products shall be marked in accordance with the example below:

XXXX - F4 - ZZZZ...

where **XXXX** refers to the identification number of the notified body issuing the EC-type examination certificate, F4 meaning category 4 firework according to the Directive 2007/23/EC Art. 3 paragraph 1.(a), and where **ZZZZ...** is a processing number given by the notified body.

4.4 Identification number of the notified body

CE-marking is followed by the identification number of the Notified Body responsible for:

- monitoring the existing quality system (in case of Modules D, E, and H); and/or
- checking conformity to type according to Module C where the notified body intervened during the manufacturing phase.

4.5 Net explosive content

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

The abbreviation for the net explosive content (NEC) may be used for the labelling.

4.6 Safety and disposal information

The safety and disposal information provided in the instructions for use shall be readily available.

The following sentence **“For use only by persons with specialist knowledge”** shall be printed on the label and emphasized by use of a heading, or bold type, or similar.

4.7 Year of production

The year of production shall be printed on the label, either by 4 or 2 digits, e.g. “2013” or “13”.

4.8 Details on manufacturer or importer

Labelling shall include the name and address of the manufacturer.

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

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

4.9 Printing

Labelling shall be clearly visible, easily legible, indelible and on a contrasting background colour.

When tested according to 6.11 of EN 16261-3:2012, the minimum height of the CE-marking shall be 5 mm.

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4.10 Marking of very small items

If the firework does not provide enough space to carry all the specified information, at least the registration number and the CE-marking (followed by the identification number of the notified body (see 4.4)) and the manufacturer's details or, if the manufacturer is not established in the European Union, the importer's details shall be given on the firework, if at all possible.

In this case, other information will be given on a protective pack label and the firework shall be supplied only in this protective pack. Where the information printed on the protective pack might be affected by the opening of the pack, the manufacturer will ensure that the pack design prevents loss of information when the label is broken. The protective pack shall be marked with the statement: *"Must be supplied as packaged"*. This statement shall appear adjacent to the type name or category.

4.11 Minimum safety information

4.11.1 General

The following information shall be printed on the label: *"Minimum safety distance to be determined by user according to the supplied product data"* and *"Article to be used in accordance with written instructions and national regulations"*.

4.11.2 Mandatory parameters

For every generic type the following parameter shall be printed, if applicable (see Annex A):

- A Effect height or burst height according to the generic type.
- B Maximum A-weighted impulse sound pressure level (in dB (A)) max at x m, where x is the distance at which the sound level was measured), according to 7.2.5 of EN 16261-2:2012.
- C Debris (distance to which dangerous debris can be projected);
- D Information on incandescent and/or burning matter. If incandescent and/or burning matter return to the level from which the device was fired, the D box shall be appropriately marked with a "✓";
- E Range (distance between the firing point and the point of explosion onto the water for aquatic fireworks).
- R Overall duration for aerial wheels.
- W Maximum firing angle if the angles of the tubes are not visible.

The above mentioned parameters are necessary for calculating the safety distances and shall be given in one textbox on the label.

Every value shall be displayed in SI units (International System of Units).

4.11.3 Format

The effect parameters as stated above shall be placed in the order of appearance above, according to the following format:

X: Y

where

X is the parameter A, B, C, D, E, R or W;

Y is the numerical value of the parameter with its unit or an appropriate mark (for example: ✓ or –).

Additional optional parameters as defined in Annex A may be printed on the label, as long as they are kept separate from the mandatory parameters and the coding, if used, is compliant with Annex A.

4.12 Specific labelling for individual items

4.12.1 Specific labelling requirement for combinations

For combinations equipped with multiple initial fuses, each fuse shall be clearly identified.

If the firing orientation is not apparent from the design of the exterior of the article, then sufficient information about it shall be provided on the label.

For combinations with angled components, the maximum angle of firing shall be displayed on the label.

4.12.2 Specific labelling requirement for shells

In cases where a specific mortar is required by the manufacturer, the following sentence shall be displayed on the label: "Use specific mortar (see *instructions*)."

and information on the specific mortar shall be included in the instructions for use.

4.12.3 Specific labelling requirement for components

For components designed to be placed on the market, the labelling specified in 4.1 to 4.10 applies.

4.13 Additional information

Additional information may be displayed on the labelling or on the instructions for use, provided that this does not conflict with the mandatory information.

5 Operating instructions

Instructions for safe handling, storage, use and disposal shall be supplied by the manufacturer/importer, including information regarding special equipment for use if necessary.

The information as required by 4.11.1 shall be included in the instructions for use.