



NSAI
Standards

Irish Standard
I.S. EN 16264:2014

Pyrotechnic articles - Other pyrotechnic articles - Cartridges for powder actuated tools

I.S. EN 16264:2014

Incorporating amendments/corrigenda/National Annexes issued since publication:

The National Standards Authority of Ireland (NSAI) produces the following categories of formal documents:

I.S. xxx: Irish Standard — national specification based on the consensus of an expert panel and subject to public consultation.

S.R. xxx: Standard Recommendation — recommendation based on the consensus of an expert panel and subject to public consultation.

SWiFT xxx: A rapidly developed recommendatory document based on the consensus of the participants of an NSAI workshop.

This document replaces/revises/consolidates the NSAI adoption of the document(s) indicated on the CEN/CENELEC cover/Foreword and the following National document(s):

NOTE: The date of any NSAI previous adoption may not match the date of its original CEN/CENELEC document.

This document is based on:

EN 16264:2014

Published:

2014-09-03

This document was published under the authority of the NSAI and comes into effect on:

2014-09-20

ICS number:

71.100.30

NOTE: If blank see CEN/CENELEC cover page

NSAI
1 Swift Square,
Northwood, Santry
Dublin 9

T +353 1 807 3800
F +353 1 807 3838
E standards@nsai.ie
W NSAI.ie

Sales:
T +353 1 857 6730
F +353 1 857 6729
W standards.ie

Údarás um Chaighdeáin Náisiúnta na hÉireann

Correction Notice

Reference: EN 16264:2014

Title: Pyrotechnic articles - Other pyrotechnic articles - Cartridges for powder actuated tools

Work Item: 00212089

Brussels, 2014-10-15

Please include the following minor editorial correction(s) in the document related to:

the following language version(s) :

- English
- French
- German

for the following procedure :

- PQ/UQ
- Enquiry
- 2nd Enquiry
- Parallel Enquiry
- 2nd Parallel Enquiry
- Formal Vote
- 2nd Formal Vote
- Parallel Formal Vote
- 2nd Parallel Formal Vote
- UAP
- TC Approval
- 2nd TC Approval
- Publication
- Parallel Publication

It has been brought to our attention that this document, issued on 2014-09-03, requires modification.

A Table of Contents has been added.

Please find enclosed the updated English version.

We apologize for any inconvenience this may cause.

This page is intentionally left BLANK.

EUROPEAN STANDARD

EN 16264

NORME EUROPÉENNE

EUROPÄISCHE NORM

September 2014

ICS 71.100.30

English Version

Pyrotechnic articles - Other pyrotechnic articles - Cartridges for powder actuated tools

Articles pyrotechniques - Autres articles pyrotechniques -
Cartouches d'outils actionnés par poudre

Pyrotechnische Gegenstände - Sonstige pyrotechnische
Gegenstände - Kartuschen für kartuschenbetriebene
handgehaltene Werkzeuge

This European Standard was approved by CEN on 8 February 2014.

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.



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

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

Contents

Page

Foreword.....	3
1 Scope	4
2 Normative references	4
3 Terms and definitions	5
4 Standard equipment	11
5 Requirements	11
5.1 Design documentation	11
5.2 Design	12
5.3 Dimensions.....	12
5.4 Pressure measurement.....	16
5.5 Energy measurement	25
5.6 Collation test	28
5.7 Residue test.....	31
5.8 Physical and chemical stability test	42
5.9 Mechanical conditioning test	43
5.10 Extreme temperature test	43
5.11 Safety test.....	44
6 Categorization	48
7 Minimum labelling.....	48
7.1 Single cartridges.....	48
7.2 Primary packs	49
Annex A (normative) Testing of cartridges for powder actuated tools	50
A.1 Type Testing (module B 2007/23/EC Annex II).....	50
A.2 Batch tests by producer during production	50
Annex B (informative) Mechanical conditioning test equipment	54
Annex C (normative) Graphical symbols	57
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	58
Bibliography	59

Foreword

This document (EN 16264:2014) 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 March 2015 and conflicting national standards shall be withdrawn at the latest by March 2015.

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 2007/23/EC on the placing on the market of pyrotechnical articles.

For relationship with EU Directive(s), see informative Annex ZA, which is an integral part of this document.

The "Permanent International Commission for the Proof of Small-Arms, C.I.P." has contributed substantially to this standard. The C.I.P. regulations pertinent to cartridges for powder actuated tools have been largely integrated in the present standard and the current states of technology are matched.

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 16264:2014 (E)

1 Scope

This European Standard defines the procedures for classifying, testing and labelling of cartridges for powder actuated tools (PAT cartridges), as defined in Clause 3 of this standard.

This European Standard does not apply to pyrotechnic articles containing blasting agents and military explosives except black powder and flash composition.

PAT cartridges contain pyrotechnic composition(s) delivering mainly gases, intended to propel a piston. The piston propels fasteners (e.g. nails) or drives hard marking characters into appropriate materials.

This standard also applies to PAT cartridges sold to persons younger than 18 years, if this is permitted by the member state due to the low hazard of the PAT cartridges.

NOTE PAT cartridges can also be used for hard marking tools. Information on cartridge operated fixing and hard marking tools can be found in EN 15895:2011.

This European Standard applies to the cartridges listed in Table 1.

Table 1 — Lists of the established calibres for PAT cartridges

	Calibre
Rimfire type	22 NC (5,5/16)
	22 (5,6/16)
	22 EX (5,6/25)
	5,7/16
	5,7/25
	6,3/10
	6,3/12
	6,3/14
	6,3/16
	6,8/11
	6,8/18
Centre fire type	9 × 17
	9 × 20
	9 × 27
	38 SP (9 × 29)

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 ISO 3611, *Geometrical product specifications (GPS) — Dimensional measuring equipment: Micrometers for external measurements — Design and metrological characteristics (ISO 3611)*

EN ISO 9237, *Textiles — Determination of the permeability of fabrics to air (ISO 9237)*

This is a free preview. Purchase the entire publication at the link below:

[Product Page](#)

-
- [Looking for additional Standards? Visit Intertek Inform Infostore](#)
 - [Learn about LexConnect, All Jurisdictions, Standards referenced in Australian legislation](#)
-