Pürotehnilised tooted. Pürotehnilised tooted sõidukitele. Osa 5: Nõuded turvapatjade gaasigeneraatoritele ja nende kategoriseerimine

Pyrotechnic articles - Pyrotechnic articles for vehicles -Part 5: Requirements and categorization for airbag gas generators (ISO 14451-5:2013)



EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

See Eesti standard EVS-EN ISO 14451-5:2013	This Estonian standard EVS-EN ISO 14451-5:2013
sisaldab Euroopa standardi EN ISO 14451-5:2013	consists of the English text of the European standard
ingliskeelset teksti.	EN ISO 14451-5:2013.
, , , , , , , , , , , , , , , , , , , ,	This standard has been endorsed with a notification
avaldamisega EVS Teatajas.	published in the official bulletin of the Estonian Centre for Standardisation.
Euroopa standardimisorganisatsioonid on teinud	Date of Availability of the European standard is
,	20.03.2013.
kättesaadavaks 20.03.2013.	20.03.2013.
Rattesaadavans 20.03.2013.	
Standard on kättesaadav Eesti Standardikeskusest.	The standard is available from the Estonian Centre for
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ICS 43.040.80

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EUROPEAN STANDARD

EN ISO 14451-5

NORME EUROPÉENNE EUROPÄISCHE NORM

March 2013

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English Version

Pyrotechnic articles - Pyrotechnic articles for vehicles - Part 5: Requirements and categorization for airbag gas generators (ISO 14451-5:2013)

Articles pyrotechniques - Articles pyrotechniques pour véhicules - Partie 5: Exigences relatives aux générateurs de gaz de sac gonflable et leur classement en catégories (ISO 14451-5:2013)

Pyrotechnische Gegenstände - Pyrotechnische Gegenstände für Fahrzeuge - Teil 5: Anforderungen und Kategorisierung von Airbaggasgeneratoren (ISO 14451-5:2013)

This European Standard was approved by CEN on 9 February 2013.

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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.

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

Management Centre: Avenue Marnix 17, B-1000 Brussels

Foreword

This document (EN ISO 14451-5:2013) has been prepared by Technical Committee CEN/TC 212 "Pyrotechnic articles" the secretariat of which is held by NEN, in collaboration with Technical Committee ISO/TC 22 "Road vehicles".

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 September 2013, and conflicting national standards shall be withdrawn at the latest by September 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.

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

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.

Endorsement notice

The text of ISO 14451-5:2013 has been approved by CEN as EN ISO 14451-5:2013 without any modification.

Annex ZA (informative)

Relationship between this European Standard and the Essential Requirements of EC Directive 2007/23/EC on the placing on the market of pyrotechnic articles

This European Standard has been prepared under a mandate given to CEN by the European Commission and the European Free Trade Association to provide one means of conforming to Essential Requirements of the New Approach Directive 2007/23/EC on the placing on the market of pyrotechnic articles.

Once this standard is cited in the Official Journal of the European Union under that Directive and has been implemented as a national standard in at least one Member State, compliance with the normative clauses of this standard given in Table ZA.1 confers, within the limits of the scope of this standard, a presumption of conformity with the corresponding Essential Requirements of that Directive and associated EFTA regulations.

Table ZA.1 — Correspondence between this European Standard and Directive 2007/23/EC on the placing on the market of pyrotechnic articles (1 of 2)

Clause(s)/sub-clause(s) of this document	Essential Safety Requirements (ESRs) of Directive 2007/23/EC	Qualifying remarks/Notes
4.8, 4.9	(1)	Note: It is taken into account that the intended purpose of the pyrotechnic article is to function in a vehicle in case of accidents
	(2)	See ISO 14451-2
4.9	(3) 1st sentence	
4.9	(3) 2nd and 3rd sentences	Note: It is taken into account that the intended purpose of the pyrotechnic article is to function in a vehicle in case of accidents
4.2	(3a)	3
4.5	(3b)	0
4.3, 4.4, 4.6	(3c)	
4.5	(3d)	Q _x
4.5	(3e)	60
4.4, 4.5	(3f)	
4.6	(3g)	
	(3h)	See ISO 14451-3
4.3, 4.5	(3i)	
	(3j)	See ISO 14451-2
4.3, 4.4, 4.6	(3) Last sentence	
1	(4a)	(1)
1	(4b)	

Table ZA.1 — (2 of 2)

Clause(s)/sub-clause(s) of this document	Essential Safety Requirements (ESRs) of Directive 2007/23/EC	Qualifying remarks/Notes	
4.2, 4.9, 6	(5 B.1)		
30	(5 B.2)	See ISO 14451-2 and ISO 14451-3	
4.6, 4.7	(5 B.3)		
	(5 B.4)	Not applicable	
	(5 C.1) to (5 C.5)	Not applicable	
4.2	(5 C.6)		
2	(5 C.7)	Not applicable	

oth 14451. WARNING — Other requirements and other EU Directives may be applicable to the product(s) falling within the scope of this part of EN ISO 14451.

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Pyrotechnic articles — Pyrotechnic articles for vehicles —

Part 5:

Requirements and categorization for airbag gas generators

1 Scope

This part of ISO 14451 specifies the types and order of tests to be applied to the airbag gas generators and sets out the acceptance criteria and means of categorization.

This part of ISO 14451 applies to type tests.

This part of ISO 14451 is not applicable to articles containing military explosives or commercial blasting agents except for black powder or flash composition.

2 Normative references

The following referenced documents are indispensable for the application 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.

ISO 14451-1, Pyrotechnic articles — Pyrotechnic articles for vehicles — Part 1: Terminology — Pyrotechnic articles for vehicles — Part 1: Terminology

ISO 14451-2:2013, Pyrotechnic articles — Pyrotechnic articles for vehicles — Part 2: Test methods — Pyrotechnic articles for vehicles —Part 2: Test methods

3 Terms and definitions

For the purposes of this document, the terms and definitions given in ISO 14451-1 apply.

4 Requirements and acceptance criteria

4.1 General

Airbag gas generators shall meet the requirements specified in <u>4.2</u> to <u>4.9</u> taking into account the test matrix of <u>Clause 5</u>.

4.2 Verification of design and documentation

Documentation shall be complete as specified in ISO 14451-2:2013, 4.1.

4.3 Drop test

4.3.1 Requirements

Airbag gas generators shall be tested as specified in ISO 14451-2:2013, 4.2.

4.3.2 Acceptance criteria

No ignition of the airbag gas generator shall occur.