



**SLOVENSKI STANDARD**  
**SIST EN ISO 8437-4:2021/oprA1:2022**

**01-oktober-2022**

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**Snežne freze - Varnostne zahteve in preskusni postopki - 4. del: Dodatne nacionalne in regionalne zahteve - Dopolnilo A1 (ISO 8437-4:2019/DAM 1:2022)**

Snow throwers - Safety requirements and test procedures - Part 4: Additional national and regional requirements - Amendment 1 (ISO 8437-4:2019/DAM 1:2022)

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Chasse-neige - Exigences de sécurité et essais - Partie 4: Exigences nationales et régionales additionnelles - Amendement 1 (ISO 8437-4:2019/DAM 1:2022)

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**Ta slovenski standard je istoveten z: EN ISO 8437-4:2021/prA1**

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**ICS:**

43.160      Vozila za posebne namene      Special purpose vehicles

**SIST EN ISO 8437-4:2021/oprA1:2022      en,fr,de**



# DRAFT AMENDMENT

## ISO 8437-4:2019/DAM 1

ISO/TC 23/SC 13

Secretariat: ANSI

Voting begins on:  
2022-08-23Voting terminates on:  
2022-11-15

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## Snow throwers — Safety requirements and test procedures —

### Part 4: Additional national and regional requirements

#### AMENDMENT 1

*Chasse-neige — Exigences de sécurité et essais —**Partie 4: Exigences nationales et régionales additionnelles**AMENDEMENT 1*

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Reference number  
ISO 8437-4:2019/DAM 1:2022(E)

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## Foreword

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The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular, the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see [www.iso.org/directives](http://www.iso.org/directives)).

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Any trade name used in this document is information given for the convenience of users and does not constitute an endorsement.

For an explanation of the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT), see [www.iso.org/iso/foreword.html](http://www.iso.org/iso/foreword.html).

Amendment 1 to ISO 8437-4:2019 was prepared by ISO/TC 23, *Tractors and machinery for agriculture and forestry*, Subcommittee SC 13, *Powered lawn and garden equipment*.

A list of all parts in the ISO 8437 series can be found on the ISO website.

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at [www.iso.org/members.html](http://www.iso.org/members.html).



# Snow throwers — Safety requirements and test procedures —

## Part 4: Additional national and regional requirements

### AMENDMENT 1

#### *Scope first paragraph*

Replace paragraph with the following:

This document provides additional national and regional requirements applicable to combustion engine powered pedestrian-controlled and ride-on snow throwers. When used with ISO 8437-2 for pedestrian-controlled snow throwers or ISO 8437-3 for ride-on snow throwers, as appropriate, and ISO 8437-1 to achieve the full requirements and means of verification for snow throwers within the scope of this document is provided.

#### *Table 3, Subclause of ISO 8437-2:2019, 4.2.2.5*

The table has been changed to

4.2.2.5	<p><b>4.2.2.5 Engine speed</b></p> <p>The snow thrower shall be designed in such a way that it is not possible to sustain an engine speed greater than the maximum operating engine speed as specified by the manufacturer, by the use of any control or by simple adjustments made</p>
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#### *Table 5, Subclause of ISO 8437-3:2019, 4.2.2.6*

The table has been changed to

4.2.2.6	<p><b>4.2.2.6 Engine speed</b></p> <p>The snow thrower shall be designed in such a way that it is not possible to sustain an engine speed greater than the maximum operating engine speed as specified by the manufacturer, by the use of any control or by simple adjustments made</p>
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#### *Subclause A.2*

Replace the subclause with the following:

For the determination of sound power level, use the test procedure described in Directive 2000/14/EC Annex III Part A Basic Noise Emission Standard.

#### *Subclause A.5 last paragraph*

Replace the paragraph with the following:

The declaration of noise emission values shall be made according to ISO 4871 and Directive 2000/14/EC.

#### *Subclause A.6 bulleted list*

Replace the third bullet with the following:

- reference to the noise test code used for the tests.

## Annex ZA (informative)

### Relationship between this European Standard and the essential requirements of Directive 2006/42/EC aimed to be covered

This European Standard has been prepared under a Commission's standardization request "M/396 Mandate to CEN and CENELEC for Standardisation in the field of machinery" to provide one voluntary means of conforming to essential requirements of Directive 2006/42/EC of the European Parliament and of the Council of 17 May 2006 on machinery, and amending Directive 95/16/EC (recast).

Once this standard is cited in the Official Journal of the European Union under that Directive, 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 Annex I of Directive 2006/42/EC**

The relevant Essential Requirements of Directive 2006/42/EC	Clause(s)/sub-clause(s) of this EN	Remarks/Notes
1. ESSENTIAL HEALTH AND SAFETY REQUIREMENTS		
1.1.2(a)	5.1, 6.1	Table 3 (4.2.2.5) Table 5 (4.2.2.6)
1.1.2(c)	4.1,5.1,6.1	6b91-9028-442d-a7c9-
1.2. CONTROL SYSTEMS		opra1-2022
1.2.2. Control devices	5.1, 6.1	Table 3 (4.2.2.5) Table 5 (4.2.2.6)
1.4. REQUIRED CHARACTERISTICS OF GUARDS AND PROTECTIVE DEVICES		
1.4.2.1. Fixed guards	5.1, 6.1	Table 3 (4.3.1) Table 5 (4.3.1)
1.5. RISKS DUE TO OTHER HAZARDS		
1.5.8. Noise	5.1, 6.1	Table 3 (4.9) Table 5 (4.9)
1.5.9. Vibrations	5.1, 6.1	Table 3 (4.10) Table 5 (4.10)
1.5.10. Radiation	5.1, 6.1	Table 3 (4.8) Table 5 (4.8)
1.7. INFORMATION		
1.7.3. Marking of machinery	4,1	Table 1 (5.1)
3.6. INFORMATION AND INDICATIONS		
3.6.2. Marking	4.1	Table 1 (5.1)



**Table ZA.2 — Applicable Standards to confer presumption of conformity as described in this Annex ZA**

Column 1 Reference in Clause 2	Column 2 International Standard Edition	Column 3 Title	Column 4 Corresponding European Standard Edition
ISO 3744	ISO 3744:2010	Acoustics — Determination of sound power levels and sound energy levels of noise sources using sound pressure — Engineering methods for an essentially free field over a reflecting plane	EN ISO 3744:2010
ISO 4871	ISO 4871:1996	Acoustics — Declaration and verification of noise emission values of machinery and equipment	EN ISO 4871:2009
ISO 5008	ISO 5008:2002	Agricultural wheeled tractors and field machinery — Measurement of whole-body vibration of the operator	See column 2
ISO 8437-1:2019	ISO 8437-1:2019	Snow throwers — Safety requirements and test procedures — Part 1: Terminology and common tests	EN ISO 8437-1:2021
ISO 8437-2:2019	ISO 8437-2:2019	Snow throwers — Safety requirements and test procedures — Part 2: Pedestrian-controlled snow throwers	EN ISO 8437-2:2021
ISO 8437-3:2019	ISO 8437-3:2019	Snow throwers — Safety requirements and test procedures — Part 3: Ride-on snow throwers	EN ISO 8437-3:2021
ISO 11201	ISO 11201:2010	Acoustics — Noise emitted by machinery and equipment — Determination of emission sound pressure levels at a work station and at other specified positions in an essentially free field over a reflecting plane with negligible environmental corrections	EN ISO 11201:2010
ISO 12100	ISO 12100:2010	Safety of machinery — General principles for design — Risk assessment and risk reduction	EN ISO 12000:2010
ISO 16063	ISO 16063:2015	Methods for the calibration of vibration and shock transducers	See column 2
ISO 20643:2005	ISO 20463:2005	Mechanical vibration — Hand-held and hand-guided machinery — Principles for evaluation of vibration emission	EN ISO 20643:2008/A1:2012
EN 1032:2003+A1:2008		Mechanical vibration — Testing of mobile machinery in order to determine the vibration emission value	EN 1032:2003+A1:2008

## ISO 8437-4:2019/DAM 1:2022(E)

Table ZA.2 (continued)

Column 1 Reference in Clause 2	Column 2 International Standard Edition	Column 3 Title	Column 4 Corresponding European Standard Edition
EN ISO 14982:2009		Agricultural and forestry machinery — Electromagnetic compatibility — Test methods and acceptance criteria	EN ISO 14982:2009
ASTM G 152	None	Standard practice for operating open flame carbon arc light apparatus for exposure of non-metallic materials	None
ASTM G 155	None	Standard practice for operating xenon arc light apparatus for exposure of non-metallic materials	None
SAE J594	None	Reflex Reflectors	None

The documents listed in the Column 1 of [table ZA.2](#), in whole or in part, are normatively referenced in this document, i.e. are indispensable for its application. The achievement of the presumption of conformity is subject to the application of the edition of Standards as listed in Column 4 or, if no European Standard Edition exists, the International Standard Edition given in Column 2 of [table ZA.2](#).

**WARNING 1** Presumption of conformity stays valid only as long as a reference to this European Standard is maintained in the list published in the Official Journal of the European Union. Users of this standard should consult frequently the latest list published in the Official Journal of the European Union.

**WARNING 2** Other Union legislation may be applicable to the product(s) falling within the scope of this standard.

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