

# INTERNATIONAL STANDARD

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## **Snowthrowers — Safety requirements and test procedures**

### **AMENDMENT 1**

*Chasse-neige — Exigences de sécurité et essais*

*AMENDEMENT 1*

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Reference number  
ISO 8437:1989/Amd. 1:1997(E)

## Foreword

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Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

Amendment 1 to International Standard ISO 8437:1989 was prepared by Technical Committee ISO/TC 23, *Tractors and machinery for agriculture and forestry*, Subcommittee SC 13, *Powered lawn and garden equipment*.

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# Snowthrowers — Safety requirements and test procedures

## AMENDMENT 1

Page 1, subclause 1.2

Delete the reference to ISO 5395:—<sup>1)</sup> and add the following normative references:

ISO 5395:1990, *Power lawn-mowers, lawn tractors, lawn and garden tractors, professional mowers, and lawn and garden tractors with moving attachments — Definitions, safety requirements and test procedures.*

ISO 11684:1995, *Tractors, machinery for agricultural and forestry, powered lawn and garden equipment — Safety signs and hazard pictorials — General principles.*

Page 4, subclause 2.2.3.1

Delete "NOTE — Snow discharge guides are under study".

Page 4, subclause 2.2.4

Replace the first phrase with the following:

The sides shall cover the diametral extremities of the collector/impeller, as shown in figure 3.

Replace the second paragraph with the following:

A durable label containing the signal word "DANGER" or a symbol shall be located on the housing and readable from the operator position. It should be accompanied by a message such as "Avoid injury from rotating auger—keep hand, feet and clothing away". (See 2.5 and 2.7.)

Ancillary openings, such as those required to facilitate manufacture or mount accessories, shall not intersect the operator position. Openings that intersect the operator position shall be guarded in compliance with subclauses 2.2.1 and 2.2.2. Intersection, as applied here is defined as allowing line-of-sight between the collector and/or impeller and the operator position.

Page 4, subclause 2.4

Replace "ISO 5395-2:1981, clause 3.5" with "ISO 5395:1990, subclause 2.2.12".

Page 4, subclause 2.5

Replace "ISO 5395-2:1981, clause 3.3" with "ISO 5395:1990, subclause 2.2.10.2".

*Page 5, subclause 2.6.2.1.1*

Add "minimum" to the first phrase to read "the minimum impeller imbalance"

*Page 5, subclause 2.6.2.3.1*

Replace the last phrase of the second paragraph with the following:

In either case, the vertical travel of the sphere shall be at least 1,3 m.

*Page 8, subclause 3.1.2.3*

Replace the phrase with the following:

A means shall be provided to prevent the starting of the engine unless

- the impeller drive is disengaged, and
- the traction drive is disengaged or in neutral.

*Page 10, subclause 3.2.4*

Replace the first phrase with the following:

The sides shall cover the diametral extremities of the collector/impeller, as shown in figure 3.

Replace the second paragraph with the following:

A durable label containing the signal word "DANGER" or a symbol shall be located on the housing and readable from the operator position. It should be accompanied by a message such as Avoid injury from rotating auger — keep hands, feet and clothing away. (See 3.5 and 3.7.)

Ancillary openings, such as those required to facilitate manufacture or mount accessories, shall not intersect the operator position. Openings that intersect the operator position shall be guarded in compliance with subclauses 2.2.1 and 2.2.2. Intersection, as applied here is defined as allowing line-of-sight between the collector and/or impeller and the operator position.

*Page 10, subclause 3.2.5*

Delete this subclause and renumber the following two subclauses.

*Page 12, subclause 3.7.2.1.1*

Add "minimum" to the first phrase to read "the minimum impeller imbalance".

*Page 12, subclause 3.7.2.3.1*

Replace the last phrase of the second paragraph with the following:

In either case, the vertical travel of the sphere shall be at least 1,3 m.

*Page 14, subclause 3.7.7.3.2.3*

In a) delete the words "for forward stability".

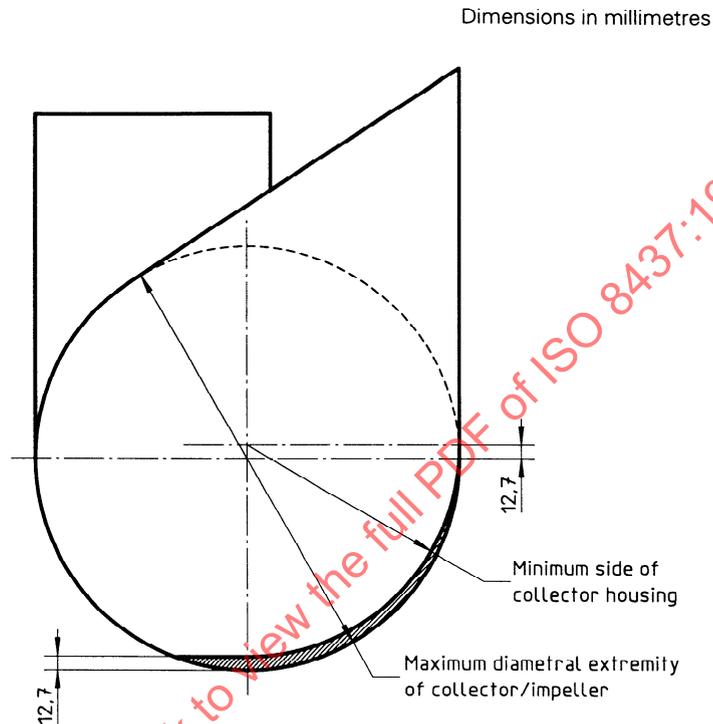
Page 15, subclause 3.8

Replace the first paragraph with the following:

A durable label statement or pictorials of safety practices in normal operating and servicing of the vehicle and power driven attachments shall be provided. See ISO 11684 for the appropriate pictorial.

Page 18

Replace the existing figure 3 with the following figure 3.



NOTE — Shaded area indicates the maximum allowable exposure of the collector/impeller.

**Figure 3 — Snowthrower housing**

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