

---

---

**Awnings for leisure accommodation  
vehicles — Requirements and test  
methods**

*Auvents pour véhicules de loisirs habitables — Exigences et méthodes  
d'essai*

**iTeh STANDARD PREVIEW**  
**(standards.iteh.ai)**

[ISO 8936:2007](https://standards.iteh.ai/catalog/standards/sist/de013404-a60a-4bab-ad06-6fa21bbd7922/iso-8936-2007)

<https://standards.iteh.ai/catalog/standards/sist/de013404-a60a-4bab-ad06-6fa21bbd7922/iso-8936-2007>



**PDF disclaimer**

This PDF file may contain embedded typefaces. In accordance with Adobe's licensing policy, this file may be printed or viewed but shall not be edited unless the typefaces which are embedded are licensed to and installed on the computer performing the editing. In downloading this file, parties accept therein the responsibility of not infringing Adobe's licensing policy. The ISO Central Secretariat accepts no liability in this area.

Adobe is a trademark of Adobe Systems Incorporated.

Details of the software products used to create this PDF file can be found in the General Info relative to the file; the PDF-creation parameters were optimized for printing. Every care has been taken to ensure that the file is suitable for use by ISO member bodies. In the unlikely event that a problem relating to it is found, please inform the Central Secretariat at the address given below.

**iTeh STANDARD PREVIEW**  
**(standards.iteh.ai)**

[ISO 8936:2007](#)

<https://standards.iteh.ai/catalog/standards/sist/de013404-a60a-4bab-ad06-6fa21bbd7922/iso-8936-2007>



**COPYRIGHT PROTECTED DOCUMENT**

© ISO 2007

All rights reserved. Unless otherwise specified, no part of this publication may be reproduced or utilized in any form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from either ISO at the address below or ISO's member body in the country of the requester.

ISO copyright office  
Case postale 56 • CH-1211 Geneva 20  
Tel. + 41 22 749 01 11  
Fax + 41 22 749 09 47  
E-mail [copyright@iso.org](mailto:copyright@iso.org)  
Web [www.iso.org](http://www.iso.org)

Published in Switzerland

# Contents

Page

Foreword.....	iv
<b>1</b> <b>Scope</b> .....	<b>1</b>
<b>2</b> <b>Normative references</b> .....	<b>1</b>
<b>3</b> <b>Terms and definitions</b> .....	<b>2</b>
<b>4</b> <b>Types of awning</b> .....	<b>4</b>
4.1 <b>Residential awning (Type R)</b> .....	4
4.2 <b>Touring awning (Type T)</b> .....	4
4.3 <b>Winter awning (Type W)</b> .....	4
<b>5</b> <b>Requirements</b> .....	<b>4</b>
5.1 <b>General</b> .....	4
5.2 <b>Dimensions</b> .....	4
5.3 <b>Zip fasteners</b> .....	5
5.4 <b>Frame assembly</b> .....	6
5.5 <b>Guying and ground fastening</b> .....	6
5.6 <b>Metallic parts</b> .....	6
5.7 <b>Awning attachment to the leisure accommodation vehicle</b> .....	6
5.8 <b>Ventilation</b> .....	6
5.9 <b>Draught exclusion</b> .....	7
5.10 <b>Window-cover</b> .....	7
5.11 <b>Rain resistance</b> .....	7
5.12 <b>Resistance to roof load</b> .....	7
5.13 <b>Accessories</b> .....	7
5.14 <b>Warning notice</b> .....	7
5.15 <b>Means of escape</b> .....	8
<b>6</b> <b>Testing</b> .....	<b>9</b>
6.1 <b>General</b> .....	9
6.2 <b>Zip fasteners</b> .....	9
6.3 <b>Awning frame</b> .....	9
6.4 <b>Ground anchorage</b> .....	10
6.5 <b>Awning attachment</b> .....	11
6.6 <b>Mud wall pegging points</b> .....	11
6.7 <b>Rain resistance</b> .....	11
<b>7</b> <b>Marking</b> .....	<b>11</b>
<b>8</b> <b>Information supplied by the manufacturer</b> .....	<b>12</b>
<b>Bibliography</b> .....	<b>13</b>

## Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 2.

The main task of technical committees is to prepare International Standards. 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.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights.

ISO 8936 was prepared by Technical Committee ISO/TC 83, *Sports and recreational equipment*, Subcommittee SC 2, *Camping tents*.

This third edition cancels and replaces the second edition (ISO 8936:2003) as well as the second edition of ISO 8937 (ISO 8937:2000) which have been technically revised.

ISO 8936:2007  
<https://standards.iteh.ai/catalog/standards/sist/de013404-a60a-4bab-ad06-6fa21bbd7922/iso-8936-2007>

# Awnings for leisure accommodation vehicles — Requirements and test methods

## 1 Scope

This International Standard specifies requirements and test methods for awnings for leisure accommodation vehicles. It applies to the different types of awnings described in Clause 4.

This International Standard does not apply to sun awnings as defined in 3.4.

Requirements concerning flame retardant finishing of the fabric could not be included in this International Standard because of known disadvantages of that finishing in other respects. Manufacturers who want to inform the consumer about that characteristic may mark the awning in accordance with ISO 10966:2005, 4.14.

## 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 2062:1993, *Textiles — Yarns from packages — Determination of single-end breaking force and elongation at break*

ISO 5912:2003, *Camping tents*

ISO 7152, *Camping tents and caravan awnings — Vocabulary and list of equivalent terms*

ISO 7253:1996<sup>1)</sup>, *Paints and varnishes — Determination of resistance to neutral salt spray (fog)*

ISO 10966:2005, *Sports and recreational equipment — Fabrics for awnings and camping tents — Specification*

ISO 13934-1, *Textiles — Tensile properties of fabrics — Part 1: Determination of maximum force and elongation at maximum force using the strip method*

EN 12329, *Corrosion protection of metals — Electrodeposited coatings of zinc with supplementary treatment on iron or steel*

---

1) International Standard withdrawn and replaced by ISO 9227:2006.

### 3 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

**3.1 awning**  
closeable tent used to extend the living area of a leisure accommodation vehicle, which may be free-standing or attached to the leisure accommodation vehicle

**3.2 leisure accommodation vehicle**  
unit of living accommodation for temporary or seasonal occupation that may meet requirements for construction and use of road vehicles

[EN 13878:2003]

**3.3 free-standing**  
(awning) that will remain erected without support from a leisure accommodation vehicle

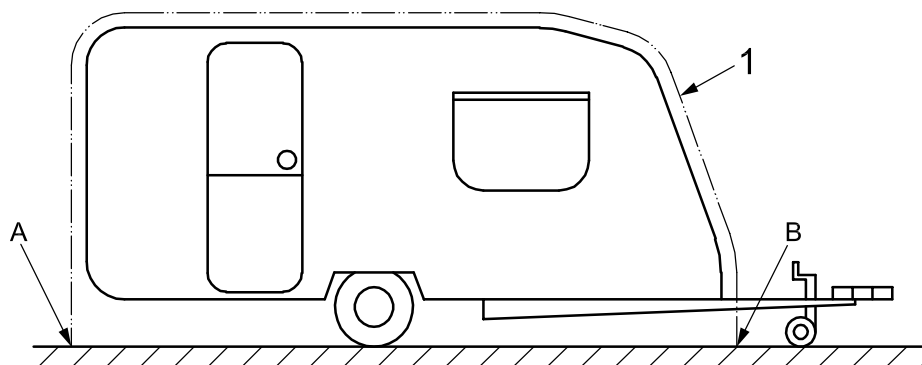
**3.4 sun awning**  
temporary structure used with leisure accommodation vehicles to provide shelter from the sun, but is not designed or constructed to provide shelter from wind, rain or snow

NOTE A sun awning can be used with optional front and side panels to form an enclosure, but this enclosure would not meet the requirements of an awning as defined in this International Standard.

**3.5 base area**  
area limited by the outside walls of the awning and the wall of the leisure accommodation vehicle measured at ground level

**3.6 perimeter**  
distance from point A, up round the awning channel, usually fitted around the edge of the leisure accommodation vehicle and down to point B when the leisure accommodation is parked, on level ground, with all corner steadies in contact with the ground

See Figure 1.



- Key**
- 1 perimeter
  - A rear ground point
  - B front ground point

Figure 1 — Perimeter

**3.7**

**awning depth at ground level**

horizontal distance between the base of the leisure accommodation vehicle side wall and the base of the front edges of the awning.

See Figure 2.

**3.8**

**awning depth at roof level**

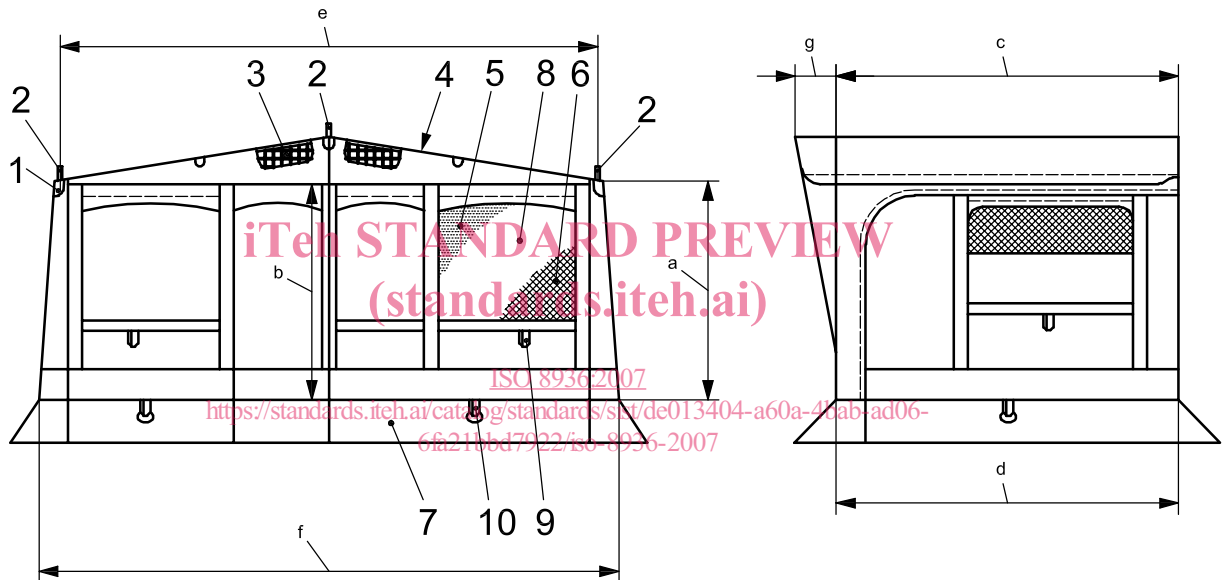
horizontal distance between the leisure accommodation vehicle wall and the awning front wall at roof level

See Figure 2.

**3.9**

**overall depth**

horizontal distance between the leisure accommodation vehicle side wall and the foremost part of the awning, measured at right angles



**Key**

- |                       |                      |
|-----------------------|----------------------|
| 1 corner guying point | 6 window ventilation |
| 2 pole spike          | 7 mud wall           |
| 3 vent (see ISO 7152) | 8 window             |
| 4 roof                | 9 storm guying point |
| 5 window cover        | 10 ground anchorage  |

- a Standing height.  
 b Entrance height.  
 c Awning depth at standing height.  
 d Awning depth at ground level.  
 e Awning width at standing height.  
 f Awning width at ground level.  
 g Canopy depth.

**Figure 2 — Illustration of parts and components of awnings**

## 4 Types of awning

### 4.1 Residential awning (Type R)

Awning suitable for all seasons including a light snow load and for a roof load as specified in 5.12 a).

### 4.2 Touring awning (Type T)

Awning suitable for repeated pitching and striking with a roof load as specified in 5.12 b).

NOTE Striking is the act of dismantling and packing away a tent.

### 4.3 Winter awning (Type W)

Awning suitable for a roof load as specified in 5.12 c).

## 5 Requirements

### 5.1 General

Awnings for leisure accommodation vehicles shall be made from fabrics meeting the requirements specified in ISO 10966.

### 5.2 Dimensions

#### 5.2.1 Awning depth

At roof level, awnings shall have minimum awning depths as follows; type R: 200 cm; type T: 180 cm; type W 140 cm.

#### 5.2.2 Awning width

Type W awnings shall have a minimum width at roof level of 150 cm.

#### 5.2.3 Entrance dimensions

At least one entrance shall have a minimum height, measured from ground level, of 170 cm at the highest point and a minimum width of 50 cm.

#### 5.2.4 Standing height

The standing height for type R awnings and type T awnings shall be a minimum of 180 cm, over 70 % of the base area.

#### 5.2.5 Awning perimeter size

For each awning, the range of perimeters within which it fits shall be indicated according to Table 1.

iTeh STANDARD PREVIEW  
(standards.iteh.ai)

ISO 8936:2007

<https://standards.iteh.ai/catalog/standards/sist/013104-a90-c10b-1f66-6fa21bbd7922/iso-8936-2007>



Table 1 — Awning perimeter sizes

Dimensions in centimetres

Size	Awning perimeter
1	595 to 619
2	620 to 644
3	645 to 669
4	670 to 694
5	695 to 718
6	719 to 742
7	743 to 766
8	767 to 790
9	791 to 814
10	815 to 839
11	840 to 864
12	865 to 889
13	890 to 914
14	915 to 939
15	940 to 964
16	965 to 989
17	990 to 1 014
18	1 015 to 1 039
19	1 040 to 1 064
20	1 065 to 1 089
21	1 090 to 1 114
22	1 115 to 1 139
23	1 140 to 1 164
24	1 165 to 1 189
25	1 190 to 1 234

### 5.3 Zip fasteners

5.3.1 The minimum transverse tear strength of the zip fasteners determined in accordance with 6.2 shall be:

- a) 700 N for zip fasteners in all load-bearing outside walls (e.g. wind load-bearing walls);
- b) 300 N for zip fasteners for windows and window covers.

5.3.2 At least one of the pullers of the zip fasteners at each entrance shall be near the ground in the closed position. In addition they shall be capable of being operated from inside and outside.