



**SLOVENSKI STANDARD**  
**SIST ISO 5971:2020**

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**SIST ISO 5971:1996**

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**Označevanje velikosti oblačil - Nogavice**

Size designation of clothes - Tights

**iTeh STANDARD PREVIEW**  
Désignation des tailles de vêtements - Collants  
**(standards.iteh.ai)**

**Ta slovenski standard je istoveten z: ISO 5971:2017**

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**ICS:**

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**SIST ISO 5971:2020**      **en,fr**

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INTERNATIONAL  
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Second edition  
2017-06

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**Size designation of clothes — Tights**

*Désignation des tailles de vêtements — Collants*

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Ch. de Blandonnet 8 • CP 401  
CH-1214 Vernier, Geneva, Switzerland  
Tel. +41 22 749 01 11  
Fax +41 22 749 09 47  
copyright@iso.org  
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## ISO 5971:2017(E)

## 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.

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)).

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. Details of any patent rights identified during the development of the document will be in the Introduction and/or on the ISO list of patent declarations received (see [www.iso.org/patents](http://www.iso.org/patents)).

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

For an explanation on 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 the following URL: [www.iso.org/iso/foreword.html](http://www.iso.org/iso/foreword.html) (standards.iteh.ai)

The committee responsible for this document is ISO/TC 133, *Clothing sizing systems — Size designation, size measurement methods and digital fittings*. [SIST ISO 5971:2020](https://standards.iteh.ai/catalog/standards/sist/5d7d76c5-392a-40fe-85d9-2e17f1d13011/iso-5971-2017)  
<https://standards.iteh.ai/catalog/standards/sist/5d7d76c5-392a-40fe-85d9-2e17f1d13011/iso-5971-2017>

This second edition cancels and replaces the first edition (ISO 5971:1981), which has been technically revised in order to align with ISO 8559-1:2017 and ISO 8559-2:2017 and include the following main changes:

- informative [Annex A](#) added on rationale related to survey data on body dimensions;
- informative [Annex B](#) added including updated examples of tight size designation.

# Size designation of clothes — Tights

## 1 Scope

This document establishes a system for designating the sizes of tights.

The system is based on three criteria:

- identification of dimensions;
- description of the methods of determining size designations from survey data; and
- indication of size designations for garment labelling.

Examples of size designations are given in [Annex B](#).

NOTE Tights are sometimes called by other names, e.g. “pantyhose”.

## 2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements 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 8559-1, *Size designation of clothes – Part 1: Anthropometric definitions for body measurement*

ISO 8559-2, *Size designation of clothes – Part 2: Primary and secondary dimension indicators*

## 3 Terms and definitions

No terms and definitions are listed in this document.

ISO and IEC maintain terminological databases for use in standardization at the following addresses:

- ISO Online browsing platform: available at <http://www.iso.org/obp>
- IEC Electropedia: available at <http://www.electropedia.org/>

## 4 Size designation

### 4.1 Control dimensions of tights

The control dimensions of tights are usually as follows:

- 1) height as the primary dimension and hip girth and/or body mass as the secondary dimension;
- 2) hip girth as the primary dimension and height as the secondary dimension.

NOTE There is a close correlation between hip girth and body mass (see [Annex A](#)).

Body measurements are determined in accordance with ISO 8559-1 and control dimensions in accordance with ISO 8559-2.

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### 4.2 Survey data

The size designation is obtained from a grid (see [Annex B](#)) having height and hip girth or height and body mass for co-ordinates.

Each cell represents the fraction of population matching either both dimensions or height and body mass. A white empty cell means that it does not correspond to anybody or only to a very low percentage of people (for distribution of the population, see [Annex A](#)).

By plotting the intended wearer's height against hip girth or body mass as presented on the grid, the appropriate size designation can be determined. The size designation may be indicated by colour, by number or by any other suitable means.

Instead of using a detailed grid, a simpler chart may be provided to the consumer with a range of height/hip girth or height/body mass (see [Annex B](#)).

The cartography and the number of sizes will differ from one supplier to another, as it will depend on the deformation behaviour and the extensibility of the product as well as on the intended market of wearers.

### 4.3 Marking, labelling and packaging

The size designation shall be indicated clearly, conspicuously and in a plainly identifiable form on the packaging or label.

The labelling examples given in the different figures of [Annex B](#) illustrate methods of determining and indicating the size which is appropriate to the control dimensions of the intended wearer.

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## Annex A (informative)

### Rationale

To build a grid, the first co-ordinate is usually the hip girth or the height (there is a close correlation between the height and the inside leg length).

If the first dimension is the hip girth, the second one is the height.

If the first dimension is the height, the second co-ordinate is either the hip girth or the body mass. A close correlation has been found between both. As the consumer is much more familiar with the body mass than the hip girth, the grids height/body mass are more commonly used on the market.

EXAMPLE 1 Data from national or specific sizing surveys give the distribution of the population in the different cells of the grid (dimensions in centimetres):

Height	Hip girth																	
	76	80	84	88	92	96	100	104	108	112	116	120	124	128	132	136	140	144
140																		
143																		
146																		
149																		
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NOTE Data from the French national survey 2006<sup>[1]</sup>.

Colour scale:

- No colour: nobody matches the dimensions
- Lightest blue 1: between 0,01 % and 0,1 % of the measured population
- Blue 2: between 0,1 % and 0,5 % of the measured population
- Blue 3: between 0,5 % and 1 % of the measured population
- Blue 4: between 1 % and 2 % of the measured population
- Darkest blue 5: between 2 % and 4 % of the measured population