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Irish Standard  
I.S. EN ISO 8559-1:2020

# Size designation of clothes - Part 1: Anthropometric definitions for body measurement (ISO 8559-1:2017)

**I.S. EN ISO 8559-1:2020**

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## National Foreword

I.S. EN ISO 8559-1:2020 is the adopted Irish version of the European Document EN ISO 8559-1:2020, Size designation of clothes - Part 1: Anthropometric definitions for body measurement (ISO 8559-1:2017)

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EUROPEAN STANDARD

EN ISO 8559-1

NORME EUROPÉENNE

EUROPÄISCHE NORM

December 2020

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English Version

## Size designation of clothes - Part 1: Anthropometric definitions for body measurement (ISO 8559-1:2017)

Désignation des tailles de vêtements - Partie 1:  
Définitions anthropométriques pour la mesure du  
corps (ISO 8559-1:2017)

Größenbezeichnung von Bekleidung - Teil 1:  
Anthropometrische Definition für Körpermaße (ISO  
8559-1:2017)

This European Standard was approved by CEN on 23 November 2020.

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<b>Contents</b>	<b>Page</b>
<b>European foreword.....</b>	<b>3</b>

## **European foreword**

The text of ISO 8559-1:2017 has been prepared by Technical Committee ISO/TC 133 "Clothing sizing systems - size designation, size measurement methods and digital fittings" of the International Organization for Standardization (ISO) and has been taken over as EN ISO 8559-1:2020 by Technical Committee CEN/TC 248 "Textiles and textile products" the secretariat of which is held by BSI.

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of an identical text or by endorsement, at the latest by June 2021, and conflicting national standards shall be withdrawn at the latest by June 2021.

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## **Endorsement notice**

The text of ISO 8559-1:2017 has been approved by CEN as EN ISO 8559-1:2020 without any modification.

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# INTERNATIONAL STANDARD

**ISO**  
**8559-1**

First edition  
2017-03

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## Size designation of clothes —

Part 1:

### **Anthropometric definitions for body measurement**

*Désignation des tailles de vêtements —*

*Partie 1: Définitions anthropométriques pour la mesure du corps*



Reference number  
ISO 8559-1:2017(E)

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**ISO 8559-1:2017(E)**



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# Contents

	Page
<b>Foreword</b> .....	<b>vi</b>
<b>Introduction</b> .....	<b>vii</b>
<b>1 Scope</b> .....	<b>1</b>
<b>2 Normative references</b> .....	<b>1</b>
<b>3 Terms and definitions</b> .....	<b>1</b>
3.1 Landmark points and levels ( <a href="#">Figures 1 to 26</a> ).....	1
3.2 Lines and planes ( <a href="#">Figures 27 to 31</a> ).....	14
<b>4 Measuring conditions and equipment</b> .....	<b>17</b>
4.1 Conditions and apparatus.....	17
4.1.1 Clothing of subject.....	17
4.1.2 Support surfaces.....	17
4.1.3 Body symmetry.....	17
4.1.4 Posture.....	17
4.1.5 Other requirements.....	18
4.2 Equipment.....	18
4.2.1 Anthropometer.....	18
4.2.2 Tape measure.....	18
4.2.3 Chainette and narrow tape.....	18
4.2.4 Large sliding caliper, sliding caliper and spreading caliper.....	18
4.2.5 Weighing scale.....	18
4.2.6 Inclinator.....	18
<b>5 Basic body measurements</b> .....	<b>19</b>
5.1 Vertical measurements ( <a href="#">Figures 32 to 49</a> ).....	19
5.1.1 Stature.....	19
5.1.2 Recumbent length.....	19
5.1.3 Chin height.....	20
5.1.4 Front neck height.....	20
5.1.5 Back neck height.....	21
5.1.6 Chest height.....	21
5.1.7 Bust height.....	22
5.1.8 Under bust height.....	23
5.1.9 Midriff height.....	23
5.1.10 Waist height.....	24
5.1.11 Upper hip height.....	24
5.1.12 Top hip height.....	25
5.1.13 Hip height.....	26
5.1.14 Maximum hip girth height.....	26
5.1.15 Inside leg height.....	27
5.1.16 Knee height.....	27
5.1.17 Outer ankle height.....	28
5.1.18 Back neck height (sitting).....	28
5.2 Breadths, widths and depths ( <a href="#">Figures 50 to 56</a> ).....	29
5.2.1 Hip breadth.....	29
5.2.2 Neck base width.....	29
5.2.3 Bust point width.....	30
5.2.4 Armscye front to back width.....	30
5.2.5 Chest depth.....	31
5.2.6 Bust depth.....	31
5.2.7 Abdomen/hip depth.....	32
5.3 Girth measurements ( <a href="#">Figures 57 to 84</a> ).....	32
5.3.1 Head girth.....	33
5.3.2 Neck girth.....	33

## ISO 8559-1:2017(E)

5.3.3	Neck base girth.....	33
5.3.4	Bust girth.....	34
5.3.5	Bust girth contoured.....	34
5.3.6	Chest girth (at axilla).....	35
5.3.7	Upper chest girth.....	35
5.3.8	Under bust girth.....	36
5.3.9	Midriff girth.....	36
5.3.10	Waist girth.....	37
5.3.11	Upper hip girth.....	37
5.3.12	Top hip girth.....	38
5.3.13	Hip girth.....	38
5.3.14	Maximum hip girth (seat measure girth).....	39
5.3.15	Armscye girth.....	40
5.3.16	Upper-arm girth.....	40
5.3.17	Elbow girth.....	40
5.3.18	Elbow girth, arm bent.....	41
5.3.19	Wrist girth.....	41
5.3.20	Thigh girth.....	42
5.3.21	Mid - thigh girth.....	42
5.3.22	Knee girth.....	43
5.3.23	Lower knee girth.....	43
5.3.24	Calf girth.....	44
5.3.25	Minimum leg girth.....	44
5.3.26	Ankle girth.....	45
5.3.27	Diagonal trunk girth.....	45
5.3.28	Centre trunk length.....	46
5.4	Distances measured following the surface of the body ( <a href="#">Figures 85 to 107</a> ).....	47
5.4.1	Shoulder length.....	47
5.4.2	Back shoulder width.....	47
5.4.3	Across back shoulder width (through the back neck point).....	48
5.4.4	Across back width.....	48
5.4.5	Back neck point to waist.....	48
5.4.6	Scye depth length.....	49
5.4.7	Across front width.....	49
5.4.8	Front neck point to waist.....	50
5.4.9	Side waist length.....	50
5.4.10	Side neck point to bust point.....	51
5.4.11	Side neck point to waist level.....	51
5.4.12	Back neck point to bust point.....	52
5.4.13	Back neck point to waist level.....	52
5.4.14	Upper arm length (shoulder to elbow, elbow bent).....	53
5.4.15	Lower arm length (elbow to wrist – elbow bent).....	53
5.4.16	Underarm length.....	54
5.4.17	Back neck point to wrist length.....	54
5.4.18	Total crotch length.....	55
5.4.19	Front crotch length.....	55
5.4.20	Back crotch length.....	56
5.4.21	Side waist to hip.....	56
5.4.22	Outside leg length.....	57
5.4.23	Back neck point to ground (contoured).....	57
5.5	Hand and foot measurements ( <a href="#">Figures 108 to 114</a> ).....	58
5.5.1	Hand girth.....	58
5.5.2	Hand length (wrist crease).....	58
5.5.3	Palm length perpendicular.....	59
5.5.4	Index finger length.....	59
5.5.5	Foot length.....	60
5.5.6	Foot width.....	60
5.5.7	Foot girth.....	61

5.6	Other measurements ( <a href="#">Figure 115</a> ).....	61
5.6.1	Body mass.....	61
5.6.2	Shoulder slope.....	61
5.7	Calculated measurements ( <a href="#">Figures 116 to 122</a> ).....	62
5.7.1	Contoured centre trunk length.....	62
5.7.2	Back neck point to knee.....	63
5.7.3	Torso height.....	63
5.7.4	Straight body rise.....	64
5.7.5	Thigh length.....	64
5.7.6	Inside leg length.....	65
5.7.7	Bust cup size.....	65
5.7.8	Outer arm length.....	65
<b>Annex A (informative) Pictogram</b> .....		<b>67</b>
<b>Annex B (informative) Standing and seated postures with arm positions</b> .....		<b>74</b>
<b>Annex C (informative) Landmark and measurement mapping</b> .....		<b>76</b>
<b>Bibliography</b> .....		<b>80</b>

## ISO 8559-1:2017(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)).

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For an explanation on 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)

The committee responsible for this document is ISO/TC 133, *Clothing sizing systems — Size designation, size measurement methods and digital fittings*.

This first edition cancels and replaces ISO 3635:1981 and ISO 8559:1989, which have been technically revised.

A list of all parts in ISO 8559 can be found on the ISO website.

## **Introduction**

This document is the first of a three-part International Standard (ISO 8559-1, ISO 8559-2 and ISO 8559-3). It comprises the definition and generation of anthropometric measurements that can be used for the creation of size and shape profiles and their application in the field of clothing. It forms a foundation for ISO 8559-2, *Primary and secondary dimension indicators*, and ISO 8559-3, *Methodology for creating body measurement tables and intervals*. Reference is made to measurements and procedures in ISO 7250-1.





# Size designation of clothes —

## Part 1:

# Anthropometric definitions for body measurement

## 1 Scope

This document provides a description of anthropometric measurements that can be used as a basis for the creation of physical and digital anthropometric databases. The list of measurements specified in this document is intended to serve as a guide for practitioners in the field of clothing who are required to apply their knowledge to select population market segments and to create size and shape profiles for the development of all garment types and their equivalent fit mannequins. The list provides a guide for how to take anthropometric measurements, as well as give information to clothing product development teams and fit mannequin manufacturers on the principles of measurement and their underlying anatomical and anthropometrical bases.

[Annex A](#) describes the use of the pictogram (standardized and modified) based on the selection of most usual body dimensions used for clothing size designation.

This document is intended to be used in conjunction with national, regional or international regulations or agreements to ensure harmony in defining population groups and to allow comparison of anthropometric data sets.

## 2 Normative references

There are no normative references in this document.

## 3 Terms and definitions

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

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

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

NOTE [Annex C](#) summarizes the mapping of the terms related to body landmark points, levels ([3.1](#)) and lines and planes ([3.2](#)) with listed measurements:

- [Table C.1](#) — Vertical measurements ([5.1](#)), breadths, widths and depths ([5.2](#));
- [Table C.2](#) — Girth measurements ([5.3](#));
- [Table C.3](#) — Distances measured following the surface of the body ([5.4](#));
- [Table C.4](#) — Other measurements ([5.6](#)), calculated measurements ([5.7](#)).

### 3.1 Landmark points and levels ([Figures 1 to 26](#))

NOTE See [Annex C](#) for mapping of points and levels to measurements.

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