

INTERNATIONAL STANDARD

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Garment construction and anthropometric surveys — Body dimensions

*Confection des vêtements et relevés anthropométriques — Mesures du corps
humain*



Reference number
ISO 8559 : 1989 (E)

Foreword

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Draft International Standards adopted by the technical committees are circulated to the member bodies for approval before their acceptance as International Standards by the ISO Council. They are approved in accordance with ISO procedures requiring at least 75 % approval by the member bodies voting.

International Standard ISO 8559 was prepared by Technical Committee ISO/TC 133, *Sizing systems and designations for clothes*.

Garment construction and anthropometric surveys — Body dimensions

0 Introduction

A prerequisite for conducting anthropometric surveys and for preparing patterns for garment manufacturing purposes is a list of appropriate body dimensions which are adequately defined.

This International Standard is intended as a reference document comprising definitions for and the location of body dimensions used for garment construction.

1 Scope and field of application

This International Standard defines the location of body dimensions taken on anthropometric surveys and for the preparation of garment patterns and garment stands, and specifies a standard procedure for measuring the body.

The location and taking of body dimensions appropriate to all items of clothing and accessories for all population groups are covered in this International Standard.

The use of calipers and horizontally orientated anthropometers to determine width dimensions is excluded.

Not all the body dimensions defined in this International Standard are always necessary during anthropometric surveys or in the manufacture of clothes.

The order of the vertical dimensions groups, firstly, those dimensions measured using the measuring stand and, secondly, those dimensions measured using a tape-measure held against the body.

NOTE — The apparatus and measurement methods referred to in the definitions are specified in clause 3.

2.1 Horizontal dimensions

2.1.1 head girth: The maximum horizontal girth of the head measured above the ears (see figure 1).

2.1.2 neck girth: The girth of the neck measured using the tape-measure passed round below the Adam's apple and at the level of the 7th cervical vertebra (see figure 1).

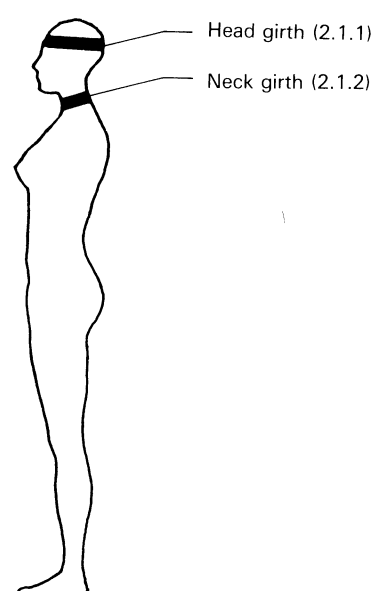


Figure 1

2 Definitions

For the purposes of this International Standard, the definitions are presented in a natural sequence of measurement comprising the following three elements:

- horizontal measurements (including girth);
- vertical measurements;
- other measurements.

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2.1.3 neck-base girth: The girth of the base of the neck measured using the chainette which passes over the base of the 7th cervical vertebra, the neck shoulder points and the medial superior borders of the left and right clavicles (see figure 2).

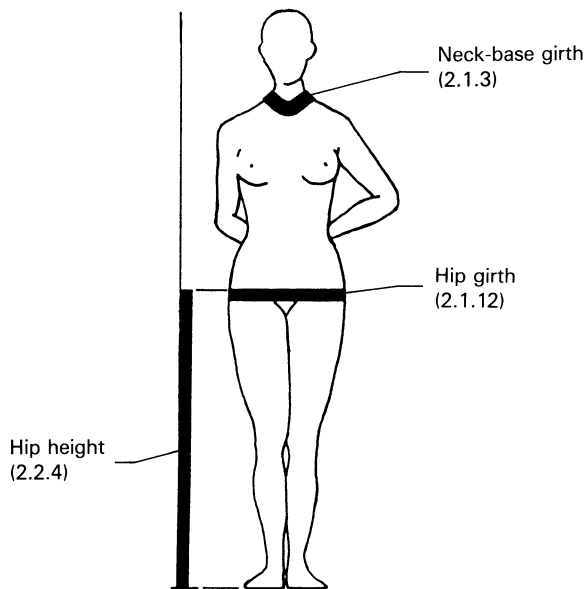


Figure 2

2.1.4 shoulder length: Distance from the base of the side of the neck (neck point) to the acromion extremity, measured with the arms hanging naturally (see figure 3).

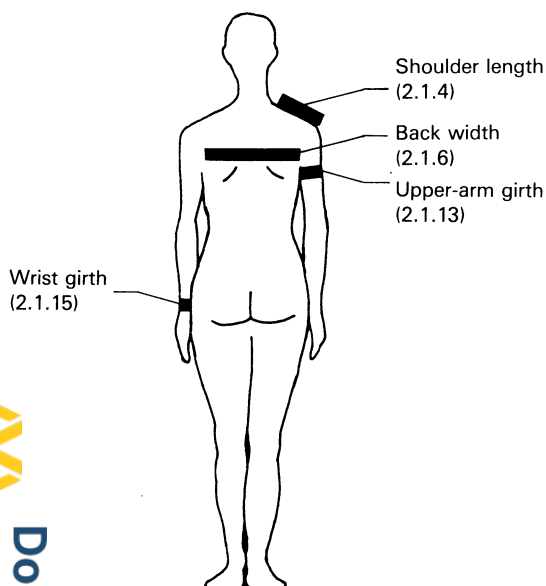


Figure 3

2.1.5 shoulder width: The horizontal distance between the acromion extremities, measured with the arms hanging naturally (see figure 4).

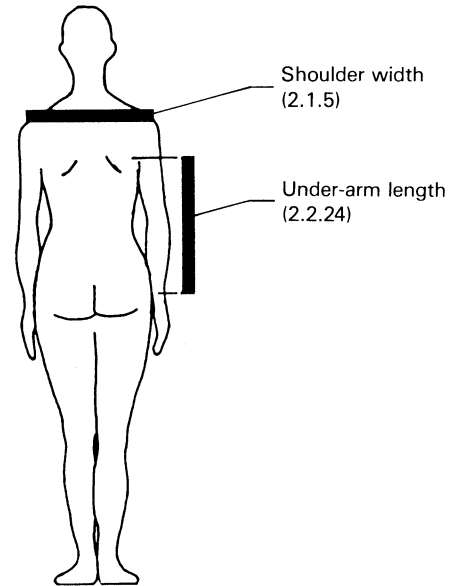


Figure 4

2.1.6 back width: The horizontal distance across the back measured half-way between the upper and lower scye levels (see figure 3).

2.1.7 chest girth: The maximum horizontal girth measured during normal breathing with the subject standing upright and the tape-measure passed over the shoulder blades (scapulae), under the armpits (axillae), and across the chest nipples (see figure 5).

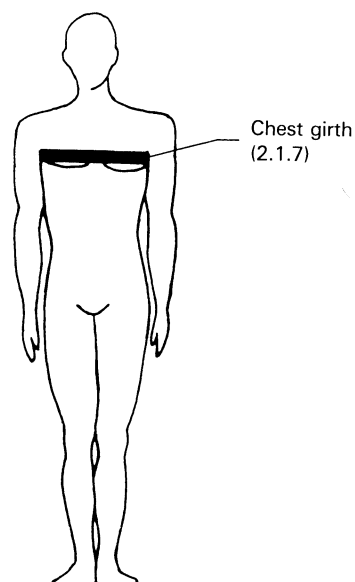


Figure 5