



DRAFT EAST AFRICAN STANDARD

Textile garments — Specification — Part 7: Trousers and shorts

EAST AFRICAN COMMUNITY

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Contents

Page

Foreword	iv
1 Scope	1
2 Normative references	1
3 Terms and definitions	1
4 Requirements	2
4.1 Additional requirements	2
4.2 Physical and chemical requirements	2
4.3 Dimensions	2
4.4 Number of stitches	2
5 Labelling	2
6 Sampling	3
Annex A (informative) Dimensions of trousers and shorts	4
Bibliography	6

Foreword

Development of the East African Standards has been necessitated by the need for harmonizing requirements governing quality of products and services in the East African Community. It is envisaged that through harmonized standardization, trade barriers that are encountered when goods and services are exchanged within the Community will be removed.

The Community has established an East African Standards Committee (EASC) mandated to develop and issue East African Standards (EAS). The Committee is composed of representatives of the National Standards Bodies in Partner States, together with the representatives from the public and private sector organizations in the community.

East African Standards are developed through Technical Committees that are representative of key stakeholders including government, academia, consumer groups, private sector and other interested parties. Draft East African Standards are circulated to stakeholders through the National Standards Bodies in the Partner States. The comments received are discussed and incorporated before finalization of standards, in accordance with the Principles and procedures for development of East African Standards.

East African Standards are subject to review, to keep pace with technological advances. Users of the East African Standards are therefore expected to ensure that they always have the latest versions of the standards they are implementing.

The committee responsible for this document is Technical Committee EASC/TC 061, *Textiles, textile products and accessories*.

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

EAS 1141 consists of the following parts, under the general title *Textile garments — Specification*:

- *Part 1: General requirements*
- *Part 2: Shirts*
- *Part 3: T-shirts*
- *Part 4: Skirts and dresses*
- *Part 5: Jackets and coats*
- *Part 6: Cardigans and sweaters*
- *Part 7: Trousers and shorts*

Textile garments — Specification — Part 7: Trousers and shorts

1 Scope

This Draft East African Standard specifies requirements, sampling and test methods for trousers and shorts worn by women, men and children.

This standard does not cover school clothing trousers and shorts.

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.

DEAS 1141-1, *Textile garments — Specification — Part 1: General requirements*

ISO 2859-1, *Sampling procedures for inspection by attributes — Part 1: Sampling schemes indexed by acceptance quality limit (AQL) for lot-by-lot inspection*

ISO 12947-2, *Textiles — Determination of the abrasion resistance of fabrics by the Martindale method — Part 2: Determination of specimen breakdown*

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

ISO 13934-2, *Textiles — Tensile properties of fabrics — Part 2: Determination of maximum force using the grab method*

ISO 13937-1, *Textiles — Tear properties of fabrics — Part 1: Determination of tear force using ballistic pendulum method (Elmendorf)*

ISO 13937-4, *Textiles — Tear properties of fabrics — Part 4: Determination of tear force of tongue-shaped test specimens (Double tear test)*

ISO 13938-2, *Textiles — Bursting properties of fabrics — Part 2: Pneumatic method for determination of bursting strength and bursting distension*

ISO 18890, *Clothing — Standard method of garment measurement*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in ISO 8498 and ISO 8499 and the following apply.

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>

3.1**trousers**

outer garment that covers the lower part of the body consisting of two parts, one for each leg that are joined at the top

3.2**shorts**

outer garment that covers the lower part of the body consisting of two parts, one for each leg that are joined at the top, but not covering the entire length of the leg

4 Requirements**4.1 Additional requirements**

Trousers and shorts shall comply with the colourfastness, restricted chemical substances, pH, fibre composition, packaging and other general requirements specified in DEAS 1141-1.

4.2 Physical and chemical requirements

Trousers and shorts, or the fabric used for the manufacture of trousers and shorts shall comply with the requirements given in Table 1 when tested in accordance with the test methods specified therein.

Table 1 — Physical and chemical requirements for trousers and shorts or the fabric used to manufacture trousers and shorts

Parameter	Requirement	Test method
Breaking strength ^a , N, min. (for both directions)	133	ISO 13934-1 ISO 13934-2
Tear strength ^a (for both directions), N, min.	11	ISO 13937-1 ISO 13937-4
Bursting strength ^b (knitted), kPa, min.	200	ISO 13938-2
Abrasion resistance at 2000 rubs	No noticeable wear	ISO 12947-2
^a Applicable to woven and non-woven garments.		
^b Applicable to knitted garments.		

4.3 Dimensions

The dimensions of trousers and shorts are as given in Annex A for guidance purposes. Garment measurements may be carried out in accordance with ISO 18890

4.4 Number of stitches

The stitches in trousers and shorts shall not be less than four per centimetre.

5 Labelling

Trousers and shorts shall comply with the labelling requirements in DEAS 1141-1.

6 Sampling

Sampling shall be done in accordance with ISO 2859-1.

Annex A (informative)

Dimensions of trousers and shorts

Table A.1 and Table A.2 contain dimensions of shirts and blouses for guidance purposes only. Figure A.1 is an example of trousers to show measurement points.



Figure A.1 — Examples of trousers

Key

- A Waist circumference/waist girth
- B Seat circumference/hip girth
- C Inseam length/inside leg length
- D Outseam length/outside leg length

Table A.1 — Dimensions of men's and boys' trousers and shorts

Size	Dimension cm	
	Waist girth	Hip girth
24	60	84
26	65	89
28	70	94
30	75	99
32	80	104
34	85	109
36	90	114
38	95	119
40	100	124
42	105	129
44	110	134
46	115	139
48	120	144
50	125	149
52	130	154
54	135	159
56	140	164
58	145	169
60	150	174

Table A.2 — Dimensions of women's and girls' trousers and shorts

Size	Dimension cm	
	Low waist	Hip
XXS (4)	74	86
XS (6)	78	90
S (8)	82	94
M (10)	86	98
L (12)	90	102
XL (14)	94	106
XXL (16)	98	110

Bibliography

US 1970-3: 2021, *Textile garments — Specification — Part 3: Trousers and shorts*

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