



SLOVENSKI STANDARD
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Varnost otroških oblačil - Vrvice in vezalke na otroških oblačilih - Specifikacije

Safety of children's clothing - Cords and drawstrings on children's clothing - Specifications

Sicherheit von Kinderbekleidung - Kordeln und Zugbänder an Kinderbekleidung - Anforderungen

Sécurité des vêtements d'enfants - Cordons et cordons coulissants - Spécifications

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ICS

Will supersede EN 14682:2014

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Safety of children's clothing - Cords and drawstrings on children's clothing - Specifications

Sécurité des vêtements d'enfants - Cordons et cordons
coulissants - Spécifications

Sicherheit von Kinderbekleidung - Kordeln und
Zugbänder an Kinderbekleidung - Anforderungen

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EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

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European foreword

This document (prEN 14682:2023) has been prepared by Technical Committee CEN/TC 248, "Textiles and Textile Products", the secretariat of which is held by BSI.

This document is currently submitted to the CEN Enquiry.

This document will supersede EN 14682:2014.

In comparison with the previous edition, EN 14682:2014, the following significant technical changes have been made:

- a) The scope has been revised to:
 - 1) exclude community face coverings; and
 - 2) emphasize that while certain products have no specific requirement, these still require safety risk assessment.
- b) New definitions for arm area and raw edges. Several definitions have been revised to improve clarity.
- c) Many requirement clauses have been updated reflecting new and evolving fashion styles and features on clothing for children. Requirements have been introduced to consider:
 - 1) cords emerging on head or neck area of garments;
 - 2) decorative features on hoods of garments;
 - 3) raw edges on garments;
 - 4) cords on booties and socks for pre-walking children; and
 - 5) cords in lower leg area of garments including socks and hosiery.
- d) Annex C has been revised and text added improve rationales for requirements.
- e) Annex D has been revised improve clarity with additions for how to measure new features and styles.
- f) Annex F some diagrams revised to improve clarity.
- g) Annex ZA has been introduced.

The standard has been prepared under a standardization request given to CEN/CENELEC by the European Commission and the European Free Trade Association and support essential requirements of EU Directive / Regulation.

For relationship with EU Directive / Regulation, see informative Annex ZA, which is an integral part of this document.

Introduction

The European Commission Mandate No. M/309, related to the safety of consumers of drawstrings or cords on children's clothing and issued on 9 March 2001, requested that CEN develops standards or specifications to consider cords and drawstrings on clothing intended for children up to age 14 years.

The aim of this European Standard is to minimize the risk of accidental entrapment by cords or drawstrings on children's clothing taking into account:

- a) the child's age;
- b) behaviour and activities of children for their age and stage of development, for example playing in playgrounds, climbing trees, travelling by bus or train, ability to look after themselves, and where relevant, level of supervision;
- c) national accident statistics indicate that serious accidents involving cords and drawstrings on children's clothing fall into two main groups by age of child;
 - 1) younger children: entrapment of hood cords in playground equipment such as slides, resulting in fatalities;
 - 2) older children and young persons: entrapment of cords and strings from the waist and lower hems of garments in moving vehicles such as bus doors, ski lifts and bicycles resulting in severe injuries or death from being dragged along or run over by the vehicle.

In addition, elasticated hood or neck cords have resulted in a number of facial injuries.

See Annex A for more information on the background to this standard.

Children's clothing sold in the EU is usually sold by height as the primary measurement, sometimes with age as an additional indicator. Clothing for babies (up to around 1 year of age) is generally sold by length of the baby although some countries use the baby's weight. All chest, waist, and hip measurements are secondary measurements.

1 Scope

This document specifies requirements for cords and drawstrings on clothing to minimize the risk of accidental strangulation or entrapment, for children up to the age of 14 years. This includes disguise costumes¹ and ski apparel.

This document does not apply to the following (see Annex C for rationale):

- a) child use and care articles, for example bibs, nappies and soother holders; see C.1, a)
- b) shoes, boots and similar footwear; see C.1, b)
- c) community face coverings; see C.1, c)

The following are also out of scope however attention is drawn to Annex C for further information, gloves, hats, bonnets and scarves; see C.1, d)

- d) neckties and bow ties which encircle the neck not attached to the shirt or blouse; see C.1, e)
- e) removable belts, with the exception of tied belts which are within scope; see C.1, f)
- f) removable braces (suspenders); see C.1, f)
- g) religious clothing; see C.1, g)
- h) celebratory clothing such as that worn at civil or religious ceremonies, national or regional festivals provided this is worn for limited periods and under supervision; see C.1, h)
- i) specialist sportswear and activity wear generally worn for limited periods and under supervision, for example rugby shorts, wet suits, and dancewear, except where those garments are commonly worn as day wear or night wear; see C.1, i)
- j) theatrical costumes used for theatrical performances; see C.1, j)
- k) aprons intended to be worn over day wear, for limited periods and under supervision, to protect clothing from soiling during activities such as painting, cooking, or during meal times; see C.1, k), and
- l) bags and purses; see C.1, l).

2 Normative references

There are no normative references in this document.

¹ Toy disguise costumes are covered by EN 71-1.

3 Terms and definitions

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

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

— ISO Online browsing platform: available at <https://www.iso.org/obp>

— IEC Electropedia: available at <https://www.electropedia.org>

3.1

young child

person aged from birth up to age 7 years (that is up to and including 6 years and 11 months) which includes all children up to and including a height of 134 cm

Note 1 to entry: See Annex B.

3.2

older child and young person

person aged from 7 years up to age 14 years (that is up to and including 13 years and 11 months) which includes all boys of height greater than 134 cm up to 182 cm and girls of height greater than 134 cm up to 176 cm

Note 1 to entry: See Annex B.

3.3

children's clothing

all garments intended by design, production route or selling route to be worn by children up to the age of 14 years

3.4

functional cord

cord, chain, ribbon, string or tape, made of any textile or non-textile material including elastic material, which is used to adjust the size of the opening, or part of the garment or to fasten the garment itself

Note 1 to entry: The protruding length of a functional cord is fixed, except for elastic materials.

3.5

drawstring

cord, chain, ribbon, string or tape, made of any textile or non-textile material including elastic material, which passes through a channel, loop(s) or eyelet(s) or similar, to adjust the size of the opening or part of the garment, or to fasten the garment itself

Note 1 to entry: The protruding length of the drawstring can increase or decrease when closure is effected.

Note 2 to entry: For some garments, a drawstring can be a loop with a tightening device rather than a single length with two ends that can be tied.

3.6

decorative cord

non-functional cord, chain, ribbon, string or tape, made of any textile or non-textile material including elastic material, with free end with or without embellishment such as toggle, pom-pom, feather or bead, which is not intended to be used to adjust the size of the garment opening or fasten the garment itself

Note 1 to entry: Fringes are considered as a series of decorative cords.

Note 2 to entry: Free ends of fixed bows are considered as decorative cords.

Note 3 to entry: Decorative features on garments for example animal-like features are not considered decorative cords See C.4.3.

3.7

elastic cord

cord containing yarns of rubber or elastodiene or elastane polymer or similar, having high extensibility and complete or near complete recovery

3.8

shoulder strap

cord, chain, ribbon, string or tape, made of any textile or non-textile material including elastic material, joining the front and back of a top part of the garment together, which is close fitting and passes over the shoulder

3.9

halter neck cord

cord, chain, ribbon, string or tape, made of any textile or non-textile material including elastic material, worn round the back of the neck holding the garment (for example dress, blouse or bikini) top leaving the shoulder and back bare

3.10

belt

strip of any material, with fastening mechanism such as buckle, worn round chest or waist area used to hold up clothing or as decoration

3.11

sash

tied belt

decorative or functional piece of any material of not less than 3 cm width tied round the chest or waist area of a garment

Note 1 to entry: Tied belt or sash can partially or fully encircle the body.

Note 2 to entry: If the width is less than 3 cm, these are considered as cords or drawstrings.

Note 3 to entry: The ends of the tied belt or sash can be shaped.

3.12

braces

suspenders

pair of shoulder straps, often elasticated, joining the front and back of a pair of trousers or skirt or similar garments covering the lower body used to hold the garment up

Note 1 to entry: Braces can be removable or permanently attached.

prEN 14682:2023 (E)**3.13****stirrup**

strip of textile or non-textile material attached to both sides of the lower hem of a trouser such that it passes under the foot or shoe to create a close fit to the wearer

3.14**toggle**

wooden, plastic, metal or otherwise composed piece attached to or present on, a drawstring, functional cord or decorative cord

Note 1 to entry: Toggles can be decorative or functional.

3.15**loop**

cord or narrow strip of fabric, which can be fixed or adjustable in length, where both ends are permanently attached to the garment

3.16**zip puller**

fitting attached to the slider body to facilitate manipulation

Note 1 to entry: The zip puller can be made of metal, plastic or textile material.

3.17**zip slider**

moving component consisting essentially of a slider body and, normally, a puller, which opens or closes the fastener by separating or engaging the interlocking members

3.18**adjusting tab**

strip of textile or non-textile material not less than 2 cm in width intended to close or adjust the size of opening on a garment or for decoration, for example at the ankle or sleeve cuff

3.19**open to its largest and laid flat**

garment or part of a garment extended to its fullest size to remove gathering or effect of elasticsation without deforming or stretching the fabric beyond its natural state, or damaging the garment construction or stitching

Note 1 to entry: See D.4.

3.20**relaxed natural state**

measurement when garment or component is laid flat with garment part, for example waistband, in its natural position (neither extended nor contracted)

Note 1 to entry: See D.5.

3.21**three-dimensional embellishment**

item attached to a cord that is thicker and/or wider than the cord itself

Note 1 to entry: Thin materials such as plastic sleeving (boot lace ends) which are not thicker than the cord itself are not considered as three-dimensional embellishments.

3.22**short sleeve**

sleeve designed to end at or above the elbow

3.23**long sleeve**

sleeve designed to end below the elbow

3.24**raw edge**

frayed hem of the fabric that is cut or unfinished

Note 1 to entry: See Figure 1.

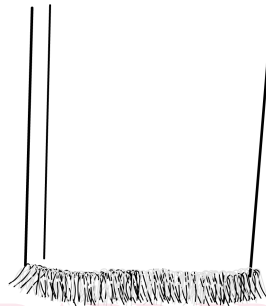


Figure 1 — Example of raw edge or frayed hem

3.25**head, neck and upper chest area**

whole of head, neck and throat, and upper front chest from shoulder points (acromia) to the top of the arm pits (axillae) excluding arms

Note 1 to entry: See Figure 2, zone A.

3.26**chest and waist area**

front part of the body from the chest level with the armpits (axillae) to the hip level with the crotch, level with the hip

Note 1 to entry: See Figure 2, zone B.

3.27**area below crotch**

front part of the body below the crotch

Note 1 to entry: See Figure 2, zone C.

3.28**back area**

posterior part of the body and legs, excluding head, neck and arms

Note 1 to entry: See Figure 2, zone D.

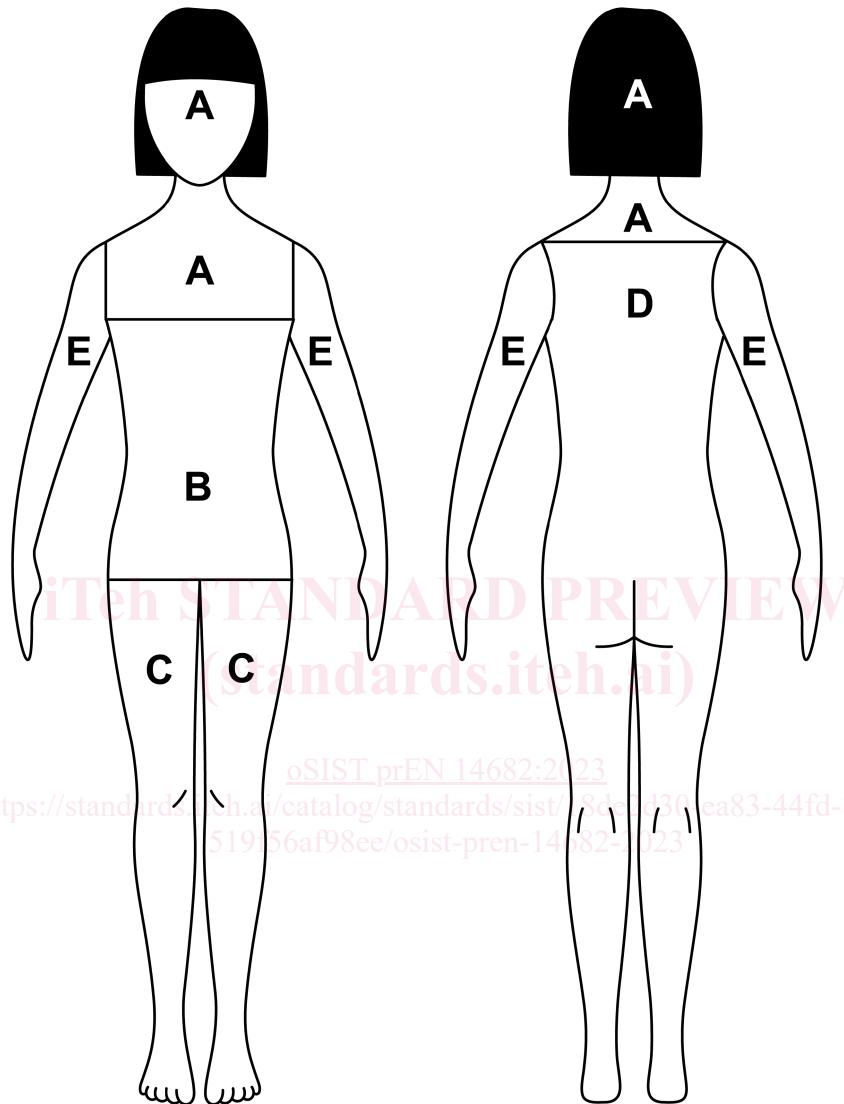
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3.29

arm area

whole arm (including hand), from the shoulder point (acromion) to the tip of the fingers

Note 1 to entry: See Figure 2, zone E.

**Key**

- A head, neck and upper chest area
- B chest and waist area
- C area below crotch
- D back area
- E arm area

Figure 2 — Body zones

4 Requirements

4.1 General

It is not possible to consider all potential hazards that can create an unsafe garment.

Conversely, identifiable specific hazards in certain styles/design of garment might not present a risk for certain age groups.

It is recommended that an individual risk assessment be carried out on any garment in order to ensure that it does not present a hazard to the wearer.

IMPORTANT - The requirements provided in this document are applicable to the inside and outside of the garment, including any removable garment parts intended to be attached to the garment. It is possible through risk assessment of the specific style that some features which are wholly inside the garment when worn may be acceptable as they are not a hazard to the wearer.

Where it is ambiguous which clause is applicable, apply the strictest requirement to ensure the garment is safe.

4.1.1 The free ends of drawstrings, functional cords, and tied belts or sashes shall have no knots or three-dimensional embellishments and shall be secured to prevent unravelling, for example by heat sealing or bar tacking. The ends may be doubled or folded provided no hazard of entrapment is created. Knots and three-dimensional embellishments along the length of the free ends are not permitted.

Free ends of decorative cords shall be secured to prevent unravelling.

4.1.2 Toggles used on drawstrings without free ends shall be permanently attached to the garment with, for example, a piece of ribbon, cord or tape. (for example, see Figures F.1). Toggles may be used on decorative cords.

4.1.3 Drawstrings shall be attached to the garment, for example using a bar tack, in at least one point positioned equidistant from the final exit points (for example, see Figure F.3).

4.1.4 Fixed loops, which protrude from the garment, for example to fasten, or loops on fixed bows, shall be no more than 7,5 cm in circumference. Flat fixed loops which do not protrude from the garments, for example belt loops, shall be no more than 7,5 cm in length, between the fixed points of attachment to the garment (for example, see Figure F.4).

Functional hanger loops and other loops inside the garment are permitted if a risk assessment shows that they are not a hazard to the wearer (see Annex E).

4.1.5 Zip pullers including any embellishment shall be no longer than 7,5 cm in length from zip slider.

4.1.6 Zip pullers with or without embellishment shall not hang below the lower edge of garments designed to finish at the ankle (for example, see Figure F.5).

4.1.7 Raw edges shall be no more than 2,0 cm in length, and the fabric shall be secured to prevent further fraying or unravelling.

4.1.8 Measurements shall be carried out in accordance with Annex D.

4.2 Head, neck and upper chest area on garments for young children (Figure 2, zone A)

4.2.1 Garments intended for young children shall not be designed, manufactured, or supplied with drawstrings or functional cords in the head, neck or upper chest area.