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Ergonomics - Anthropometric and strength data of children in Europe - Part 1: Statistical summaries of the data

Táto technická normalizačná informácia obsahuje anglickú verziu CEN/TR 18296-1:2026.
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TECHNICAL REPORT**CEN/TR 18296-1****RAPPORT TECHNIQUE****TECHNISCHER REPORT**

May 2026

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English Version

Ergonomics - Anthropometric and strength data of children in Europe - Part 1: Statistical summaries of the data

Ergonomie - Données anthropométriques et de force
des enfants en Europe - Partie 1 : Synthèses
statistiques des données

Ergonomie - Anthropometrische und Kraftdaten von
Kindern in Europa - Teil 1: Statistische
Zusammenfassungen der Daten

This Technical Report was approved by CEN on 13 April 2026. It has been drawn up by the Technical Committee CEN/TC 122.

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CEN/TR 18296-1:2026 (E)

Contents	Page
European foreword	4
Introduction	5
1 Scope.....	6
2 Normative references.....	6
3 Terms and definitions	6
4 Coding of percentile tables	7
5 Strength measurements	7
5.1 General.....	7
5.2 Finger Push	8
5.3 Tip pinch	9
5.4 Three-jaw chuck pinch.....	10
5.5 Pinch-Pull.....	11
5.6 Hand Grip.....	12
5.7 Hand pushing.....	13
5.8 Hand Pulling	14
5.9 Twisting (With hand)	15
5.10 Press with the foot.....	16
5.11 Pushing Forwards.....	17
5.12 Pushing downwards.....	18
5.13 Pulling.....	19
5.14 Lifting	20
5.15 Pushing with the shoulder.....	21
6 Anatomical Landmarks for anthropometric measurements	22
6.1 General.....	22
6.2 Tragion	22
6.3 Glabella.....	22
6.4 Sellion.....	23
6.5 Opisthocranium	23
6.6 Nuchale	24
6.7 Menton.....	24
6.8 Ectocanthus.....	24
6.9 Infraorbitale	25
6.10 Lateral and medial borders of the right and left pupil.....	25
6.11 Crinion/Trichion.....	26
6.12 Euryon.....	26
6.13 Zygion.....	26
6.14 Gonion.....	27
6.15 Cheilion.....	27
6.16 Dactylion	28
6.17 Radial stylium.....	28
6.18 Ulnar stylium (Wrist point)	28
6.19 Mid-stylium point.....	29
6.20 Metatarsal Tibiale.....	29
6.21 Metatarsal Fibulare.....	30

6.22	Toe 1 joint.....	30
6.23	Toe 5 joint.....	30
6.24	Medial malleolus.....	31
6.25	Lateral malleolus	31
6.26	Inside heel bone point	31
6.27	Vertex.....	32
6.28	Menton.....	32
6.29	Cervicale (Back neck point)	32
6.30	Front neck point.....	33
6.31	Side neck point	33
6.32	Acromion (shoulder point)	34
6.33	Armpit front fold point	34
6.34	Armpit back fold point.....	35
6.35	Thelion (Bust point)	35
6.36	Mesosternale	36
6.37	Highest point of the hip bone	36
6.38	Lowest rib point	37
6.39	Iliospinale anterius.....	37
6.40	Trochanter	38
6.41	Elbow point	38
6.42	Olecranon	39
6.43	Tibiale	39
6.44	Centre point of kneecap	40
6.45	Infrapatella	41
6.46	Suprapatella (sitting)	41
7	Body postures	42
8	Hand positions.....	44
9	Anthropometric measurements.....	45
9.1	General	45
9.2	Body.....	45
9.3	Foot.....	227
9.4	Hand	280
9.5	Head.....	368
9.6	Reach.....	421
9.7	Sitting.....	447
	Bibliography	482

CEN/TR 18296-1:2026 (E)**European foreword**

This document (CEN/TR 18296-1:2026) has been prepared by Technical Committee CEN/TC 122 “Ergonomics”, the secretariat of which is held by DIN.

This document is currently submitted to the Vote on TR.

The series on *Ergonomics — Anthropometric and strength data of children in Europe* consists of the following parts:

- *Part 1: Statistical summaries of the data* (CEN/TR 18296-1);
- *Part 2: Guidelines for the correct application of anthropometric and strength data* (CEN/TS 18296-2).

Introduction

CEN/TC 122 “Ergonomics” has carried out a project funded by the European Commission to acquire anthropometric and strength data of children in Europe, initiated by the lack of up-to-date published data. These data have to be current and reliable being the basis for the safety, comfort and usability of products used for, by or with children.

Since there had been no sufficient knowledge neither on the existing anthropometric data and its availability nor on the specific demand of data from the relevant stakeholders a first project phase had been carried out in order to gather such knowledge as a basis for European anthropometric surveys. This first phase of the project included an extensive research on the demands, necessity and existence of Anthropometric and Strength data of European population under 18 years old. Results have been published in CEN/TR 17698:2021 “Ergonomics — Demands and availability of anthropometric and strength data of children in Europe”.

The second phase of the project included a measurement campaign to obtain updated anthropometric and strength data for the European population under 16 years of age and resulted in the publication of this technical report as well as CEN/TS xxx “...”.

CEN/TR 18296-1:2026 (E)**1 Scope**

This document provides statistical summaries of anthropometric data (body dimensions and physical strength) of children in Europe considering different age groups. The age range covered by this report is up to 15 years.

This document also provides information about:

- date and origin of the data;
- geographic limitations of the data;
- size and sex of the population measured or scanned;
- description of the anthropometric and strength measures.

2 Normative references

There are no normative references in this document.

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