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**NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

GB/T 16252-2023

Replacing GB/T 16252-1996

Hand sizing system of adults

成年人手部尺寸分型

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Foreword

This document is in accordance with the provisions of GB/T 1.1-2020 "Standardization Work Guidelines Part

1 Structure and Drafting Rules of Standardization Documents" Drafting. This document replaces GB/T 16252-1996 "Adult Hand Size". Compared with GB/T 16252-1996, except for structural adjustment and compilation In addition to editorial changes, the main technical changes are as follows:

---In "Terms and Definitions", "palm circumference", "palm length", "thumb length", "index finger length", "middle finger length", "ring finger length", "little finger length" and "thumb length" are added. "Finger width", "index finger proximal width", "index finger distal width" and "palm thickness", deleted "hand size" and "control site" (see Chapter 3,.1996 Chapter 3 of the annual edition);

---Added "type representation method" (see 4.1);

---Set the coverage rate of hand segmentation from "not less than 5 per mille" to "not less than 0.1%" (see 4.2.1,

4.2 of the.1996 version);

---Changed all human body size statistics (see Table 1, Table 2, Table 3, Table A.1, Table A.2, Table C.1 and Table C.2,.1996 edition Table 1, Table 2, Table 3, Table A1, Table A8, Table B1 and Table B2);

---The "thumb width" and "index finger distal width" are added to the hand control part (see Table 3);

---Deleted the "tiger's index finger fork distance", "ulnar half-palm width", "thenar width",

"thumb joint circumference", "index finger proximal knuckle circumference" and "middle finger proximal knuckle circumference of the ring finger", "Proximal knuckle circumference of the ring finger" and "Proximal knuckle circumference of the little finger" (see Table 3 of the.1996 edition);

---Deleted "Method of expressing hand size" (see Chapter 6 of the.1996 edition);

---Deleted adult men and adults in the Northwest, Southeast, Central China, South China, Southwest, Northeast, and North China regions Coverage rate of women's hand sizes in.2016 (see Tables A2 to A7 and A9 to A14 of the.1996 version). Please note that some content in this document may be subject to patents. The publisher of this document assumes no responsibility for identifying patents. This document is proposed and coordinated by the National Ergonomics Standardization Technical Committee (SAC/TC7). This document was drafted by: China Institute of Standardization, Beijing Jinfa Technology Co., Ltd., Shanghai Institute of Work Safety Science, Zhejiang Jiangdongya Gloves Co., Ltd., Tsinghua University, Jiangsu Guojian Testing Technology Co., Ltd., Air Force Medical University Air Force Specialty Medical Center, Chinese Chemical Defense Research Institute of the Academy of Military Sciences of the People's Liberation Army, Suzhou Automotive Research Institute of Tsinghua University (Xiangcheng), Zhongshan Yumin Medical Technology Co., Ltd., Shougang Metropolitan Normal University, Donghua University, University of Science and Technology Beijing, Huayan Huike (Anhui) Intelligent Technology Co., Ltd., Beijing University of Civil Engineering and Architecture, Beijing United University University, Winning Energy Efficiency Technology (Qingdao) Co., Ltd., Northeast Normal University, Winning Energy Efficiency Technology (Beijing) Co., Ltd., SDIC Winning Quality Infrastructure SHI INSTITUTE LIMITED. The main drafters of this document. Ran Linghua, Zhang Xin, Zhao Qichao, Liu Taijie, Zhao Chaoyi, Shang Jinglin, Hu Huimin, Yu Jie, Xu Shucai, Ma Gangliang, Zou Guohua, Zheng Rong, Ma Shuai, Guo Dehua, Lu Bing, Wang Jinchun, Wang Dongmei, Guo Xiaochao, Zheng Xiaohui, Tang Yiming, Wang Zhongting, Zhao He, Zhang Huifen, Song Jiafeng, Niu Jianwei, Qin Hua, Yang Aiping, Xu Hongqi, Li Shaopeng, Xu Shanwei, Gao Junyu, Wei Bo, Yin Jiwei, Wang Jingjing, Qu Zhaoqi, Wu Haimei, Chen Jian, Chu Junpeng, Liu Yuning, Tian Hao. The previous versions of this document and the documents it replaces are as follows:

---First published as GB/T 16252-1996 in.1996;

---This is the first revision. Adult hand size classification

1 Scope

GB/T 16252-2023 is the Chinese national standard on hand sizing system of adults, in the field of environment and health protection, safety. The /T suffix marks it as a recommended standard: it is not compulsory by itself, but it becomes binding as soon as a contract, a tender or a customer specification calls it up - which in practice is how most foreign buyers meet it. It was issued on 6 August 2023 by the State Administration for Market Regulation;

Standardization Administration of China, and has been in force since 1 March 2024.

Classification: ICS 13.180, CCS A25. This page is published from the official record of the standard held by the Chinese standards administration: the identification, the dates, the classification and the issuing body are taken from there. The clause text, the tables and the numeric limits are in the document itself, which is delivered complete in English translation.

This document gives the settings for hand size classification for adults (18 to 70 years old), as well as the regression equation for the size of hand control parts. This document applies to the specification design, production and production of manual operating devices, hand tools, gloves and other hand wear and hand protection products. Select.

2 Normative reference documents

The contents of the following documents constitute essential provisions of this document through normative references in the text. Among them, the dated quotations For undated referenced documents, only the version corresponding to that date applies to this document; for undated referenced documents, the latest version (including all amendments) applies to this document.

GB/T 5703-2023 Anthropometric basic items for technical design

3 Terms and definitions

The terms and definitions defined in GB/T 5703-2023 and the following apply to this document.

3.1 handgirth The circumference starts from the point of the middle finger, passes through the radial metacarpal point, palm surface, and ulnar metacarpal point to the starting point.

3.2 Palmlength The distance from the line connecting the palmar surface of the radial styloid process and the ulnar styloid process to the palmar surface wrinkle proximal to the middle finger.

3.3 Thumb length thumblength The distance from the tip of the thumb to the proximal curvature of the metacarpophalangeal joint.

3.4 index finger length indexfingerlength The distance from the tip of the index finger to the crease on the proximal palmar surface of that finger.

3.5 Middle finger length fingerIIIlength The distance from the tip of the middle finger to the proximal curve of the metacarpophalangeal joint.

3.6 Ring finger length fingerIVlength The distance from the tip of the ring finger to the proximal curve of the metacarpophalangeal joint.

3.7 Little finger length fingerVlength The distance from the tip of the little finger to the proximal curve of the metacarpophalangeal joint.