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

GB/T 8456-2025

Replacing GB/T 8456-2003

**Textile machinery - Knitting machines - Nominal diameters of
circular machines**

纺织机械 针织机 圆机的公称直径

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Foreword

This document is in accordance with the provisions of GB/T 1.1-2020 "Guidelines for standardization work Part 1: Structure and drafting rules for standardization documents" Drafting.

This document replaces GB/T 8456-2003 "Nominal diameters of circular knitting machines for textile machinery" and is consistent with GB/T 8456-2003.

In addition to structural adjustments and editorial changes, the main technical changes are as follows.

- Changed the scope (see Chapter 1, Chapter 1 of the 2003 edition);
- Changed the provisions of "nominal diameter and code" (see Chapter 4, Chapter 3 of the 2003 edition).

Please note that some of the contents of this document may involve patents. The issuing organization of this document does not assume the responsibility for identifying patents.

This document was proposed by the China National Textile and Apparel Council.

This document is under the jurisdiction of the National Technical Committee for Standardization of Textile Machinery and Accessories (SAC/TC215).

This document was drafted by: Quanzhou Bushuo Machinery Co., Ltd., Xiamen Xingquanlong Machinery Co., Ltd., Quanzhou Jingmei Technology Co., Ltd., Zhangzhou Yongliang Knitting Machinery Co., Ltd., Fujian Baiyuan Intelligent Equipment Co., Ltd., Fujian Quanzhou Aotu Textile Technology Co., Ltd., Fujian Bao Xiang Knitting Technology Co., Ltd., Santoni (Shanghai) Knitting Machinery Co., Ltd., Quanzhou Fushun Machinery Co., Ltd., Zhejiang Rifa Textile Machinery Technology Co., Ltd., Weihai Chuangwei Knitting Machinery Co., Ltd., Zhejiang Gaoteng Electromechanical Manufacturing Co., Ltd., Zhejiang Taiyangzhou Electrical Technology Co., Ltd.

Co., Ltd., Zhejiang Sci-Tech University, Jiangsu Zhenquan Technology Co., Ltd., Zhejiang Vocational and Technical College of Textile and Garment, and China Textile Machinery Association.

The main drafters of this document are: Lan Luming, Huang Kaiqian, Li Sengui, Shao Hong, Li Abian, Xia Fenglin, Li Ridong, Yuan Yanhong, Fu Junsen, Cong Zheng, Lin Binbin, Huang Yonghua, Xu Wei, Zhai Ziyong, Zhao Qi, Chen Feng, Ye Hongwu, Jiang Zhe, Zhou Dingan, Huang Wendong, Peng Danxiang, Lin Qingzhu, Yang Haipeng, Chen Deqing.

The previous versions of this document and the documents it replaces are as follows.

- First published as GB/T 8456-1987 in 1987 and first revised in 2003;
- This is the second revision.

Textile machinery - Nominal diameter of circular knitting machines

1 Scope

This document specifies the nominal diameters of circular knitting machines and the designations for the machine specifications.

This document is applicable to circular knitting machines and hanging machines with large and small cylinder diameters.

2 Normative references

GB/T 6002.9-2008

GB/T 8458-2003

3 Terms and definitions

The terms and definitions defined in GB/T 6002.9-2008 and the following apply to this document.

3.1 nominal diameter

The bottom diameter of the circular knitting machine needle cylinder groove (see Figure 1).

[Source: GB/T 38422-2019, 2.3.4, modified] Index number description. 1---syringe;
d---nominal diameter.

Figure 1 Nominal diameter of circular knitting machines

4 Nominal diameter and code

The classification and terminology of knitting machines are specified in GB/T 6002.9-2008;

the needle gauge of knitting machines is specified in GB/T 8458-2003. Table 1 The nominal diameter in millimeters and the code indicating the machine specification are listed.

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