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

GB/T 30420.1-2024

Sewing machinery terminology - Part 1: General terminology

缝制机械术语 第1部分：通用术语

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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 is Part 1 of GB/T 30420. GB/T 30420 has been published in the following parts.

--- Sewing machinery terminology Part

1. General terms;

--- Sewing machine terminology Part

2. Embroidery machine terminology;

--- Sewing machinery terminology Part

3. Terminology for spreading and cutting equipment. This document replaces GB/T 30420.1-2013 "Sewing machine terminology Part

1. Basic terminology" and is consistent with GB/T 30420.1-2013. In addition to structural adjustments and editorial changes, the main technical changes are as follows:

a) The definition of sewing machine has been changed (see 3.1.1,

2.1 of the 2013 edition);

b) Added terms and definitions for template sewing (see 3.1.28);

c) Added the term and definition of pin spacing resolution (see 3.1.35);

d) Added the terms and definitions of follower presser foot stroke (see 3.1.39);

1 Scope

GB/T 30420.1-2024 is the general terminology part of the Chinese sewing machinery vocabulary. China makes the overwhelming majority of the world's industrial sewing machines, and the sector's vocabulary has grown from three directions at once, the

traditional trade terms, the Japanese and German machine builders whose designs were copied and adapted, and the electronics and automation that have transformed the machines in the last decade; the result is that the same component or function is called several things. The standard defines the general terms of the field: the categories and types of sewing machine, the stitch and seam types, the principal mechanisms, needle bar, feed, looper, hook, thread take-up and tension, the drive and control including the servo motors and the programmable functions, the accessories and attachments, the performance and rating terms, and the terms for the operations performed. It took effect on 1 October 2024.

This document defines the general terminology for sewing machines. This document is applicable to scientific research, design, manufacturing, writing of relevant technical documents and technical exchanges in the sewing machinery industry.

2 Normative references

This document has no normative references.

3.1 General terms

3.1.1 Sewing machine Using one or more threads (3.1.5) to interweave one or more stitches (3.1.11) on one or more layers of sewing material (3.1.2) equipment. [Source: GB/T 5226.31-2017, 3.101, modified]

3.1.1.1 Sewing machines suitable for industrial use (3.1.1).

3.1.1.2 Sewing machines suitable for household use (3.1.1).

3.1.1.3 Service sewing machine servicesewing machine Sewing machines suitable for use in the service industry (3.1.1).

3.1.2 Sewing material Materials for sewing.

3.1.3 sewing needle Needle A needle that carries the thread (3.1.5) through the sewing material (3.1.2) during sewing.

3.1.4 Looper A curved part (component) with a guide thread (3.1.5) passing through a thread loop (3.1.6) during sewing.