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

GB/T 4516-2013

Replacing GB/T 4516-1995

Household sewing machine -- Determination of sewing capacity

家用缝纫机 缝厚能力测试方法

(English Translation)

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Table of Contents

- Foreword
- 1 Scope
- 2 Normative references
- 3 Sewing materials and appliances
 - 3.1 Sewing materials
 - 3.2 Sutures
 - 3.3 Needle
- 4.1 Testing principle
- 4.2 Test Conditions

Foreword

This standard was drafted in accordance with GB/T 1.1-2009 given rules.

This standard replaces GB/T 4516-1995 "household sewing machine sewing capacity test methods." this standard compared with GB/T 4516-1995, the main technical changes are as follows.

--- Original standard "Normative references" has been modified, citing the latest versions of these documents;

--- Original standard "sample" to "sewing material." 1980 "Household sewing machines sewing capacity test methods". The revised standard adopts ISO 4815 with the new draft law.

This standard and ISO 4815. 1980 technical differences and their reasons are as follows.

--- On normative references, this standard has been adjusted technical differences, in order to adapt our technical conditions, the adjusted situation Focus is reflected in the status of Chapter 2, "Normative references", the specific adjustments are as follows.

- increase the GB/T 406-2008 (see 3.1);
- increase the GB/T 6836-2007 (see 3.2);
- increase the QB/T 1514-2011 (see 3.3).

--- Remove the ISO 4815. 1980 Chapter 3, "Definitions", Chapter 4, "principles", and attachment content, modify the Figures 1 and 2 content.

This standard and ISO 4815. 1980 has the structural adjustment, ISO 4815. 1980, Chapter

4, Chapter 5, Chapter 6, Chapter 7, 8 Chapter, Chapter 9 of this standard were adjusted 4.1, Chapter 3, 4.2, 4.3, Chapter 5, Chapter 6.

The standard proposed by China National Light Industry Council.

This standard by the China Sewing Machinery Standardization Technical Committee (SAC/TC152) centralized.

Drafting of this standard. National Sewing Machine Quality Supervision and Inspection Center, Shanghai Institute of sewing machines, sewing machine Zhejiang new shares leap Limited copies.

1 Scope

This standard specifies the sewing material and appliances for household sewing machines sewing capacity test methods, test methods, test requirements and test reports.

This standard applies to household sewing machine motor drive can also be used manually or foot operated home sewing machine.

2 Normative references

The following documents for the application of this document is essential. For dated references, only the dated version suitable for use herein Member. For undated references, the latest edition (including any amendments) applies to this document.

GB/T 406-2008 qualities of cotton cloth GB/T 6836-2007 sewing thread QB/T 1514-2011 household sewing machine needles

3.1 Sewing materials

According to GB/T 406-2008 specified in khaki (in particular), which cut growth 200mm, 90mm wide seam material.

3.2 Sutures

According to GB/T 6836-2007 stipulated ZS twist 14tex/3 to mercerized cotton.

3.3 Needle

Press QB/T 1514-2011 specified in Nm80 needle.

Test Method 4

4.1 Testing principle

At a predetermined speed sewing, stitching, needle and sewing materials, seam thickness test, and successive increases sewing material layers until it reaches this mark Quasi Chapter 5 test requirements far, sewn seam material layers is measured sewing machine sewing capacity.

4.2 Test Conditions

4.2.1

in accordance with the manufacturer's instructions using the provisions, and fitted seams corresponding random supply needle and the presser foot.

4.2.2

in accordance with the manufacturer's instructions using the provisions regulating the presser foot. Presser foot pressure regulator shall meet the following requirements.

- a) If not specified in the instructions for use specific values, while the presser foot pressure for use when adjusting the adjustment device, then clamp down Pressure should be adjusted to the position of $18\text{N} \pm 1\text{N}$;
- b) If there is no adjustment means or adjustment means although Quefei user adjustable factory when the factory is kept fixed by the status quo.