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**TEXTILE INDUSTRY STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

FZ/T 97035.3-2015

Replacing FZ/T 97018-1999

Needles for knitting machines - Part 3: Compound needles

针织机用针 第3部分：复合针 清晰版

(English Translation)

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Foreword

FZ/T 97035 "knitting machine needles" is divided into the following four parts.

- Part 1. latch needle;
- Part 2. crochet;
- Part 3. compound needle;
- Part 4. aid.

This section FZ/T Part of 397,035.

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

This section instead of FZ/T 97018-1999 "warp groove needle." Compared with the FZ/T 97018-1999, in addition to the main editorial changes outside to technical changes are as follows.

- Increased terms and definitions (see Chapter 3);
- Modify the classification rules (see 41, 1999, version 3.1.);
- Increase the marked compound needles (see 4.2);
- Increased schematic compound needles, modify the basic dimensions of the term (see 51, 1999, version 3.2.);
- Remove the microstructure and decarburization requirements (see 1999 edition 4.5);
- Remove the magnetic induction strength requirements (see the 1999 edition 4.6);
- Modify the hardness and hardness range of symbolic value and range requirements (see 54, 1999 version 4.7.);

- Remove the angle fracture toughness requirements (see 1999 edition 4.8);
- Modify the mechanical properties by machine number binning of the needle bar thickness tranches, and to be integrated (see 5.5, 4.9.1, and the 1999 edition 4.9.2);
- Increased sensory requirements (see 5.6 and 5.7);
- Increase the degree of symmetry with a reading microscope measurement regulations (see 62, 1999 version 5.2.);
- Modify the inspection rules (see Chapter 7, Chapter 6 of the 1999 edition);
- Modify the packaging, labeling, transportation and storage (see Chapter 8, 1999 edition of Chapter 7).

This part is proposed by the China Textile Industry Association.

This part of the National Textile machinery and accessories Textile Equipment Standardization Technical Committee Technical Committee (SAC/TC215/SC2) Centralized.

This section is drafted. Changzhou City, a special needle Siwei Fu Technology Co., Ltd., Shaanxi Institute of textile equipment, needle-Yantai Yun-cheng limited liability any company, Kunshan Kay Italian knitting needles Ltd., Nantong Co., Ltd. Gwangyang needle.

1 Scope

FZ/T 97035 provisions of this part of the complex knitting machine needle (hereinafter referred to as "compound needle") terms and definitions, classification and marking, to Requirements, test methods, inspection rules, packaging, labeling, transportation and storage.

This section applies to a composite warp knitting machine needle by a hook member and the closure (stylet) thereof.

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 191 Packaging - Pictorial signs GB/T 2828.1 Sampling procedures for inspection - Part 1. by acceptance quality limit (AQL) retrieval batch inspection sampling plan GB/T 2829 periodic inspection Sampling procedures and tables (suitable for process stability test) GB/T 4340.1 Vickers hardness test - Part 1. Test methods GB/T 30160.3 Textile machinery and accessories needles for knitting machines - Terminology - Part 3. Compound needles

3 Terms and Definitions

Terms and definitions GB/T 30160.3 defined apply to this document.

4.1 Classification

4.1.1

according to the material form, into the compound needle and steel wire compound needles.

4.1.2

according to the structure (see Figure 1), is divided into type I (straight), type II (curved) and III (shaped) closure.

4.2 Mark

Marking method a) composite needle hook member. the product name, this part of the code and the order number, the total length of the needle and the needle bar thickness l1 b1 order composition.

Example.

In line FZ/T 97035.3, hook total length l1 member of 40.0mm, b1 is 0.50mm thick needle bar of steel composite needle hook member, tag it.

Steel composite needle hook member FZ/T 97035.3-40 x 50

b) composite needle mark the closure. the product name, this part of the code and the order number, the closure long l5, thick b2 and structure Code sequence composition.

Example.

In line FZ/T 97035.3, length l5 of 19.0mm, thickness b2 of 0.30mm, III steel sheet composite needle closure, marked as.

Steel composite needle closure FZ/T 97035.3-19 x 30-III