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

FZ 93004-1991

Replacing FZ/T 93004-1991

**Spinning plus twisting plastic hooks
(English Translation)**

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Foreword

The ring wire series for ring spinning and twisting consists of three standards.

- Rolling wire for spinning and twisting;
- Metal hooks for spinning and twisting;
- Plastic hooks for spinning and twisting.

The degree of conformity between this standard and ISO 96-2:1992 is non-equivalent, the main differences are as follows.

- Removed the provisions relating to the metal collar and its application to metal hooks;
- The number range of plastic hooks is reduced to 25, 28, 10000;
- Added requirements for plastic hooks, such as its material, surface roughness, color and surface quality;
- Added Chapter 5 "Test Methods", Chapter 6 "Inspection Rules", Chapter 7 "Packaging, Marking";
- Change some expressions applicable to international standards to those applicable to Chinese standards.

This standard replaces FZ/T 93004-1991 "Plastic hook for spinning and twisting". The main changes of this standard compared with the previous version are as follows.

- Cancel the type of plastic hooks (3.1 and 3.3 of the 1991 edition, 3.1 and 3.4 of this standard);
- Deleted the plastic hook type code, and replaced it with the name of the plastic hook type (manufactured by the 1991 version of 3.4, 3.4 of this standard);
- With the steel ring height dimension series adjustment;
- Increased the surface roughness Ra of the plastic hook;
- Modification supplements the appearance defects;

--- The inspection rules have added the content of the type inspection.

FZ/T 93004 is one of the series of standard for wire loops for ring spinning and twisting. Listed below and the structure of these industry standards International standards to be applied, and industry standards to be replaced.

a) Steel wire loops for spinning and twisting (ISO 96-1:1992, replacing FZ/T 93002-1991, FZ/T 90041-1992);

b) metal hooks for spinning and twisting (ISO 96-2:1992, replacing FZ/T 93003-1991);

c) Plastic hooks for spinning and twisting (ISO 96-2:1992, replacing FZ/T 93004-1991).

Appendix A of this standard is an informative annex.

This standard was proposed by the China Textile Industry Association.

This standard is under the jurisdiction of Shaanxi Textile Equipment Research Institute.

1 Scope

This standard specifies the product classification, technical requirements, test methods and inspection rules for plastic hooks for spinning and twisting (hereinafter referred to as "plastic hooks").

Then with signs, packaging.

This standard is applicable to plastic hooks for spinning and twisting steel collars and tapered steel collars.

2 Normative references

The terms in the following documents become the terms of this standard by reference to this standard. All dated references, followed by all Modifications (not including errata content) or revisions do not apply to this standard, however, parties to agreements based on this standard are encouraged to study is it possible to use the latest version of these files? For undated references, the latest edition applies to this standard.

GB/T 2828-1987 Batch-by-batch inspection sampling procedure and sampling table (for continuous batch inspection) GB/T 2829-1987 Periodic inspection count sampling procedure and sampling table (applicable to the inspection of the stability of the production process)

3 Classifications and signs

3.1

According to the steel collar type, the plastic hook is divided into two types. HZ-type vertical

steel collar and J-shaped tapered steel collar.

3.2

The number of plastic hooks is the gram value indicating the nominal mass of 1000 plastic hooks of the same type.

3.3

The type of plastic hook, the number series and the height of the steel collar to be used shall comply with the requirements of Figure 1, Figure 2 and Table 1.

Fig.1 Basic shape of plastic hook for HZ vertical steel collar Fig.2 Basic shape of plastic hook for J-shaped tapered steel collar

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