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

FZ/T 94009-2018

Replacing FZ/T 94009-2007

**Aluminium-alloy heald frames for use in weaving machines
(English Translation)**

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Foreword

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

This standard replaces FZ/T 94009-2007 "Aluminum alloy heald frame for loom". In addition to editorial modifications compared to FZ/T 94009-2007 the main technical changes outside are as follows.

---In the list of normative references, FZ/T 90001 has been deleted, and GB/T 153, GB/T 191, GB/T 230.1 have been added.

GB/T 1933, GB/T 1958-2004, GB/T 4340.1, GB/T 4957, GB/T 19552-2004, GB/T 19554.1, GB/T 19554.2;

--- Removed the provisions on the size of the heald frame in the "Product Classification" chapter (see 3.2 of the 2007 edition);

--- Modified the marking of the heald frame (see 3.2, 3.3 of 2007);

--- Removed the provisions on the side section of the "Requirements" chapter (see 4.1, 2007 version 4.1 Table 1);

--- Revised the regulations on the distance between two piers (see 4.1, 2007 edition 4.2);

--- Revised the tensile strength index, surface hardness index and surface oxide thickness index of the beam material (see 4.2, 2007 edition) 4.3.1, 4.3.2 and 4.3.4);

--- Revised the tensile strength index of the side material and increased the thickness of the surface oxide layer (see 4.3, 2007 edition) 4.4.1.1);

--- Revised the tensile strength index and surface hardness index of the piercing material (see 4.4, 2007 edition 4.5.1, 4.5.2);

--- Revised the vertical tolerance value of the side gear and the beam (see 4.5, 4.6 of the 2007 edition);

--- Revised the flatness requirements of the heald frame and its determination method (see

4.7, 5.8, 4.7, 5.8 of the 2007 edition);

---Modified inspection rules (see Chapter 6, Chapter 6 of the 2007 edition);

---Modified packaging, marking, transportation and storage (see Chapter 7, Chapter 7 of the 2007 edition).

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

This standard is determined by the National Textile Machinery and Accessories Standardization Technical Committee Textile Equipment Subcommittee (SAC/TC215/SC2) Return to the mouth.

This standard was drafted. Zhejiang Dingfeng Textile Equipment Co., Ltd., Qingdao Tianyi Group Hongqi Textile Machinery Co., Ltd., Pacific Electromechanical Group (Shanghai) Technology Co., Ltd., Qingdao Global Group Co., Ltd., National Textile Machinery Product Quality Supervision and Inspection Center (Shanxi), Shaanxi Textile Equipment Research Institute.

1 Scope

This standard specifies the classification and marking, requirements, test methods, inspection rules and packages for aluminum alloy heald frames for looms (hereinafter referred to as "heald frames").

Packing, marking, transportation and storage.

This standard is applicable to heald frames that are fixed to the heald frame beam (Z-shaped) with the brackets for the heald rods or directly to the heald frame beams (M-type).

2 Normative references

The following documents are indispensable for the application of this document. For dated references, only the dated version applies to this article.

Pieces. For undated references, the latest edition (including all amendments) applies to this document.

GB/T 153 conifer tree sawn timber GB/T 191 packaging storage and transportation icon
GB/T 230.1 Rockwell hardness test for metallic materials - Part 1 Test methods (A, B, C, D, E, F, G, H, K, N, T ruler) GB/T 1933 Wood Density Determination Method GB/T 1958-2004 Product geometry specification (GPS) shape and position tolerance test provisions GB/T 2828.1. Sampling procedures for sampling by sampling - Part 1 . Batch-to-batch sampling plan, searched by AQL GB/T 2829 Cycle Inspection Counting Sampling Procedures and Tables (Applicable to Inspection of Process Stability) GB/T 4340.1 Metallic materials - Vickers hardness test - Part 1. Test method GB/T 4957 Non-conductive coating on

non-magnetic base metal, thickness measurement of eddy current method GB/T 19385.1-2003 Textile machinery and accessories - Heald frame - Part 1. s.

size

GB/T 19385.2-2003 Textile machinery and accessories - Heald frame - Part 2.

size

GB/T 19385.3-2003 Textile machinery and accessories - Heald frame - Part 3 GB/T

19552-2004 Textile machinery and accessories closed-end integrated lugs GB/T

19553-2004 Textile machinery and accessories for closing "O" type healds for healds GB/T

19554.1-2004 Textile machinery and accessories - Open type healds - Sheets and mains.

Minute. C-shaped heald GB/T 19554.2-2004 Textile machinery and accessories, open-type integrated lugs, and the main dimensions of the corresponding healds, part 2 Minute.

J-shaped heald GB/T 19554.3-2004 Textile machinery and accessories, open-type integrated lugs, and the main dimensions of the corresponding healds, part 3 Points. C-type and J-type integrated lugs

3.1 Classification

According to GB/T 19385-2003, the provisions for the fixed type of penetrating rod and heald frame beam are in accordance with GB/T 19385.1-2003 it is Z type; the heald frame conforming to GB/T 19385.2-2003 is M type.