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

GB/T 30164-2013

**Textile machinery and accessories -- Steel pins for spinning
preparatory and spinning machinery**

纺织机械与附件 纺纱准备与纺纱机械用钢针

(English Translation)

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Foreword

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

This standard uses the translation method identical with ISO 9904:2000 "Textile machinery and accessories - Spinning preparatory and spinning machinery needle" (English Chinese Version).

For ease of use, the standard ISO 9904:2000 made the following editorial changes.

- a) with the "GB/T 30164" instead of "ISO 9904";
- b) Delete the ISO 9904:2000 Foreword;
- c) In the "References" in with "GB/T 4340.1-2009, GB/T 4340.2-1999" instead of "ISO 6507-1:1997, ISO 6507-2:1997";
- ." D) use the decimal symbol instead of the symbol, "";
- e) padded figures significant digits "0";
- f) with "phid" instead of the FIG. 2 "d", the size of the line to extend l2 another needle contour;
- g) the table "x" to 3 "gray" and add "NOTE. currently being used needle marked in gray.";
- h) in Figure 3 to extend the size of the line l2 needle to another contour.

The standard proposed by China Textile Industry Association.

This standard by the national textile machinery and accessories Textile Equipment Standardization Technical Committee Technical Committee (SAC/TC215/SC2) Centralized.

This standard was drafted. Shanghai Far East fillet limited liability company, Shaanxi Institute of textile equipment.

1 Scope

This standard specifies the spinning preparation and spinning machine needle with basic dimensions, features and markings.

2 Basic dimensions

The basic dimensions of the needle are shown in Table 1.

Table 1 Basic dimensions of the needle (see Fig. 1 to 4)

Pin No.

d, a, or b

Pin No.

d, a, or b

1 7.62 18 1.22

2 7.01 1.07 19

3 6.35 20 0.99

4 5.97 21 0.88

5 5.39 22 0.79

6 4.88 23 0.71

7 4.47 24 0.62

8 4.06 25 0.535

9 3.76 26 0.50

10 3.35 27 0.44

11 2.95 28 0.38

12 2.62 29 0.355

13 2.34 30 0.33

14 1.98 31 0.30

15 1.79 32 0.28

16 1.63 33 0.25

17 1.42

3.1 Dimensions

Needle bar is divided into three types.

A Type. spinning preparation machine needles $l_2 = 3l_1$ for $5.56\text{mm} \leq l_1 \leq 17.46\text{mm}$