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

GB/T 14693-2008

Replacing GB/T 14693-1993

Non-destructive testing - Symbolic representation on drawings

无损检测 符号表示法

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Foreword

This standard replaces GB/T 14693-1993 "NDT weld symbol." This standard and GB/T 14693-1993 compared to the main changes are as follows:

- Modify the standard name;
- To modify and extend the scope (see Chapter 1);
- Amendments and additions to the normative references (see Chapter 2);
- Increased terms and definitions (see Chapter 3);
- Modifications and adjustments NDT Symbol elements (1993 Edition Chapter 3, Chapter 4 of this edition);
- Adjust the general rules (1993 version 4.1 and 4.2, Chapter 5 of this edition);
- Adjust the auxiliary symbol (1993 version 4.3, Chapter 6 of this edition);
- Adjust the technical requirements, specifications and reference standards (1993 version 4.4, this version of Chapter 7);
- Adjust the area, the position and orientation of non-destructive testing (the 1993 version of the 4.5, 4.6 and 4.7, Chapter 8 of this edition). The standard proposed by China Machinery Industry Federation. The standard non-destructive testing by the National Standardization Technical Committee (SAC/TC56) centralized. This standard was drafted. Beijing Wei Taikai letter New Technology Co., Capital Normal University, Shanghai Institute of Materials. The main drafters of this standard. Jinwan Ping, Wang Xun, XU Yi Guang, Jin Yufei. This standard replaces the standards previously issued as follows:
- GB/T 14693-1993. NDT notation

1 Scope

GB/T 14693-2008 is the Chinese national standard on non-destructive testing - symbolic representation on drawings, in the field of testing. The /T suffix marks it as a recommended standard: it is not compulsory by itself, but it becomes binding as soon as a contract, a tender or a customer specification calls it up - which in practice is how most foreign buyers meet it. It was issued on 28 February 2008 by the General Administration of Quality Supervision, Inspection and Quarantine of the People's Republic of China; Standardization Administration of China, and has been in force since 1 July 2008. Classification: ICS 19.100, CCS J04. This page is published from the official record of the standard held by the Chinese standards administration: the identification, the dates, the classification and the issuing body are taken from there. The clause text, the tables and the numeric limits are in the document itself, which is delivered complete in English translation.

This standard specifies the information by a symbol of non-destructive testing methods, and provide detailed information on the composition and these symbols and annotations Examples. The symbology for labeling method used in non-destructive testing, frequency, regional and technical conditions references, specifications or standards. This standard applies to technical drawings and related technical documentation. When the subject of the workpiece can also refer to the use of mark.

2 Normative references

The following documents contain provisions which, through reference in this standard and become the standard terms. For dated references, subsequent Amendments (not including errata content) or revisions do not apply to this standard, however, encourage the parties to the agreement are based on research Whether the latest versions of these documents. For undated reference documents, the latest versions apply to this standard. GB/T 324 Weld notation

GB 3100 ~ 3102 Quantities and Units

GB/T 4457.2 basic provisions of technical drawings - guidelines and guide lines of

GB/T 4458.4 Mechanical drawings - Dimensioning

GB/T 5616 NDT Applications Guide

GB/T 7027 the basic principles and methods of information classification and coding

GB/T 12212 Technical drawings weld symbol size, proportions and simplified representation

GB/T 12604 (all parts) Terminology for nondestructive testing

GB/T 13361 Technical Drawing generic term

GB/T 16675.2 Technical drawings - Simplified representation - Part 2. Dimensioning

GB/T 20737 Non-destructive testing - General terms and definitions (

GB/T 20737-2006, ISO /T S18173.2005, IDT)

3 Terms and Definitions

GB/T 12604, the terms and definitions GB/T 13361 and GB/T 20737 apply to this standard established.

4 NDT Symbol elements

4.1 Overview NDT symbol consists of the following elements.

- a) the baseline;
- c) detection method letter identification code;
- d) detection range and number of sampling;
- e) auxiliary symbol; Tail
- f) baseline (technical conditions, specifications or standards). NDT symbol pattern painting shall conform to GB/T 4457.2, the dimensions should be consistent with GB/T 4458.4 and GB/T 16675.2 requirements. NDT area, location, direction and angle of the label shall comply with the relevant provisions of GB 3100 to 3102, using the International System of Units. Letter identification code

4.2 NDT method NDT method letter identification code shown in Table 1.