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

GB 15052-2010

Replacing GB 15052-1994

**Cranes -- Safety signs and hazard pictorials -- General
principles**

起重机 安全标志和危险图形符号 总则

(English Translation)

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Foreword

The standard Chapter 3, Chapter 5, Chapter 6, Chapter 7, Chapter 9 of the mandatory provisions, the rest are recommended provisions.

This standard is identical with ISO 13200:1995 "Cranes - Safety signs and hazard pictorials - General symbols" (in English).

This standard is equivalent to translate ISO 13200:1995.

For ease of use, this standard does the following editorial changes.

- "This International Standard" be replaced by "this standard";
- Remove the foreword and introduction of international standards;
- International standards "machinery and equipment" be replaced by "Cranes";
- The International Standard Appendix E to reference.

This standard replaces GB 15052-1994 "Lifting Dangerous positions and signs." The difference between GB 15052-1994 are as follows.

- The entire contents of this standard and ISO 13200:1995 is consistent.

The Standard Appendix A, Appendix B, Appendix C and Appendix D is an informative annex.

The standard proposed by China Machinery Industry Federation.

This standard by the National Standardization Technical Committee crane (SAC/TC227) centralized.

1 Scope

This standard specifies the general design principles of safety signs and hazard pictorials symbols GB/T 6974.1 defined on the crane and its application.

This standard outlines the purpose of safety signs, safety signs describing the basic form, provides the color of safety signs and provide a safe composition Full mark each block diagram of a design guide.

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 this standard, however, encourage the parties to reach an agreement on this standard is Whether the latest versions of these documents. For undated reference documents, the latest versions apply to this standard.

GB/T 6974.1 crane terminology - Part 1. General terms (GB/T 6974.1-2008, ISO 4306-1:2007, IDT)

3 Objective, safety signs

Objective 3.1 safety signs are.

- Reminder that danger or potential danger;
- Identify hazards;
- Risk characterization;
- Illustrate the dangers of possible personal injury;

How --- instructors avoid danger.

3.2

safety signs should be placed prominently on the crane easy to see the site, to avoid damage or wear, and should have expected to make for a long Life.

3.3

Safety signs and hazard pictorials symbols may be placed on a crane or appears in the maintenance manual. To reduce the risk, should be Safety signs and hazard pictorials symbols placed close to the danger zone or controlled site.

3.4

should avoid excessive use of safety signs and hazard pictorials symbols on the crane, because overuse can reduce the effect.

NOTE: Experience has shown that when the number of safety signs and hazard pictorials symbols of greater than 7, will reduce the effect.

3.5

Safety signs and hazard pictorials symbols appear in the maintenance manual, and to emphasize the danger area. Used in this specification does not Restricted 3.4.

4 in the form of safety signs 4.1 hazard safety signs within a border made up of two or more than two rectangular blocks, rectangular blocks of a given product-related information.

4.2 Safety Signs There are four standard forms.

--- Double box type safety signs. Symbol box, text box (see 4.4);

--- Three box type safety signs. Symbol box, box graphic symbols, text box (see 4.5);

--- Double box type safety signs. Graphic Symbol box, text box (see 4.6);

--- Double box type safety signs. two boxes of graphical symbols (see 4.7).

4.3 Safety Signs preferably arranged vertically, horizontally can also be arranged. Safety signs the form and arrangement of the final choice depends on product sales to Geographical regions and locales, the law provides for the placing safety signs and space provided.

4.4 pairs of box-type safety signs. Symbol box, the text box. see picture 1. Symbol box includes a safety alert symbol and three word of warning (Caution, Warning, Dangerous) one. Description text box is dangerous, indicating the occurrence of dangerous consequences, and guidance on how to avoid the danger of a text message.

Figure 1 Double box type safety signs. Symbol box, text box

4.5 three box type safety signs. Symbol box, graphic symbols box, the text box. See Figure 2. Symbol box including safety alert symbol and three word of warning one. In addition to the graphical symbol box should contain the danger graphic symbols, sometimes also contains graphic avoid dangerous symbol. Text box contains some description He said danger, indicating the occurrence of dangerous consequences, and guidance on how to avoid dangerous text.

2 Tri-box type safety signs. Symbol box, box graphic symbols, text boxes 4.6 pairs of box-type safety signs. Graphic Symbol box, the text box. See Figure 3. Graphic symbols box contains a hazard warning triangle in danger Graphic symbols or only contain dangerous warning sign. Text box contains a description of the danger, indicating dangerous consequences and guidance on how to Avoid dangerous text.

Figure 3 pairs box type safety signs. Graphic Symbol box, text box

4.7 pairs of box-type safety signs. two graphic symbols box. See Figure 4. The first