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

GB/T 14665-2012

Replacing GB/T 14665-1998

Mechanical engineering drawings rules of CAD

机械工程 CAD制图规则

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Foreword

This standard was drafted in accordance with GB/T 1.1-2009 given rules. This standard replaces GB/T 14665-1998 "mechanical engineering CAD drawing rules." This standard and GB/T 14665-1998, compared the main technical changes are as follows:

- Increasing the foreword;
 - Normative references removed GB/T 13362.4-1992, GB/T 13362.5-1992, an increase of GB/T 4457.4, GB/T 15834, GB/T 18229;
 - Revised Table 1, "general purpose" explanation, "thick solid line, thick dotted line" to "thick solid line, dotted line coarse, thick dotted line" "Thin solid lines, wavy lines, bilinear, dashed thin dotted lines, double dotted line" to "thin solid lines, wavy lines, bilinear, thin dotted line, fine Dotted line, fine double-dotted line";
 - Modify the graph on the screen of the display color (see Table 2);
 - Modify numbers, letters, "in italics output" to "positive body output" (see 5.1,5.3);
 - Revised Table
- 3 Character height at Mapsheet A0, A1 "5" to "7", the height of characters in the map sheet A2, A3, A4 of "3.5" to "5";
- Increasing the size of the terminal line
 - a form of dots (see Figure 12);
- 6.1 modify the contents as "generally based on solid arrow, the opening arrow, white arrow, slash, dot pattern in order Selection. ";
- Revised Table 6 "08" in the description and illustration, the "dimension line projection connection, size of the terminal with the symbol thin solid line" to "size Line projection connection, size of the terminal with the symbol thin solid lines, dimensions and tolerances";
 - Revised Table 6 "09" in the description, the "reference circle, including lead and the terminal (arrow)" to "reference circle, including lead Its line terminal (arrow). " This standard

by the National Technical product documentation Standardization Technical Committee (SAC/TC146) and focal points. This standard was drafted. the machine Productivity Promotion Center, Anhui Baolong Environmental Protection Technology Co., Ltd., Bolton (Hefei) Co., Ltd. Drive, Wan Ask Qianchao Co., Ltd., Dalian Maritime University, Shaanxi Province Product Quality Supervision and Inspection. The main drafters of this standard. thanks to Yang, Hu Feng, Xue Ming, like Qiu Bao, Zou Yutang, King of War, Du Guangyu, Han Zhenyu, Shu Wei did. This standard replaces the standards previously issued as follows:

--- GB/T 14665-1993, GB/T 14665-1998. Mechanical Engineering CAD drawing rules

1 Scope

GB/T 14665-2012 is the Chinese national standard on mechanical engineering drawings rules of cad, in the field of generalities, terminology and documentation. 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 11 May 2012 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 December 2012. Classification: ICS 01.100.20, 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.

0.5 thick solid line, dotted line coarse, thick dotted line 1.0 0.7 0.5 0.35

0.25 thin solid lines, wavy lines, bilinear, thin dotted line, thin dotted line, thin two-dot chain line

2 Normative references

The following documents for the application of this document is essential. For dated references, only the dated version suitable for use herein Member. For undated references, the latest edition (including any amendments) applies to this document.

GB/T 4457.4 Mechanical drawings Fatou line

GB/T 4458.4 Mechanical drawings - Dimensioning GB/T 15834 Streetwise

GB/T 17450 Technical Drawing Chart

GB/T 18229 CAD Engineering Drawing Rules

3 Basic Principles

3.1 Where to draw mechanical engineering drawings in a computer and its peripherals, as relates to the contents of this standard is not specified, shall comply with the relevant standard Criteria and regulations.

3.2 Mechanical Engineering Drawing with CAD drawing mechanical engineering drawings, should first consider the expression of accurate, easy to plug. In the full, clear Xi, accurately convey the premise mechanical portions of the shape, the simple drawing sought.

3.3 mechanical drawing with CAD drawings, CAD maximize the use of new technologies.
Chart

4 In mechanical engineering CAD drawing, the graph used, except in accordance with the following provisions should comply with GB/T 17450 and GB/T in 4457.4 regulations. Figure

4.1 line group In order to facilitate mechanical engineering CAD drawings, the linear GB/T 4457.4 divided into five groups specified in Table 1. Table