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

GB/T 24734.5-2009

**Technical product documentation -- Digital product definition
data practices -- Part 5: Common requirements for product
definition data**

技术产品文件 数字化产品定义数据通则 第5部分：产品定义数据通用要求

(English Translation)

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Foreword

GB/T 24734 "Technical product documentation - Digital product definition data practices" is divided into 11 parts.

- Part 1. Terms and definitions;
- Part 2. Data set identification and control;
- Part 3. Data collection requirements;
- Part 4. Requirements for design model;
- Part 5. General requirements for product definition data;
- Part 6. Geometric Modeling feature specification;
- Part 7. Comment claim;
- Part 8. Numerical model and size requirements;
- Part 9. Application of reference;
- Part 10. Application of geometric tolerances;
- Part 11. model geometry detail level.

This section GB/T 24734 "Technical product documentation - Digital product definition data practices" in Section 5 gives digital products Defined data display, correlation, properties, labeling surface, the provisions of the guidelines line, tolerance, query, orthographic drawings and isometric drawings and so on.

This section is based on the ISO 16792:2006 "Technical product documentation - Digital product definition data practices" in Chapter 7, "Product Definition Number According to General requirements "compiled this section and ISO 16792. Degree of consistency 2006

Chapter 7 the main technical content is not equivalent.

Surgey differences are as follows.

--- R Rao according to the first series of values of GB/T 1031 regulations, the ISO 16792:2006 of Fig. 7a) and c) "Milling R Rao 0.5" to "Milling R Rao 0.4", and this figure into this section as Fig. 1a) and c);

--- According to Rao R and R z value of the first series of GB/T 1031 regulations, the ISO 16792:2006 in Fig. 0.7 and 3.1 55 Do not read 0.8 and 3.2, and this figure into this section as FIG. 6;

--- According to GB/T 1182-2008 the provisions in 18.9.4 ISO 16792:2006 in FIG. 46 and FIG. 47 LE (lineele-ments) of the error location, and the map as Figures 8 and 10 placed in this section;

The diagram as FIG. 12 into this part;

--- According to the original meaning, modify ISO 16792. 7.4.3 in 2006 "longdasheddouble-shortdashedlines" fault Error, and make the ISO 16792. 5.6b 2006) is the "long-dasheddottednarrowlines" consistent changes to "fine point Draw a line ", and the section as 5.3 into this section.

This part of the National Technical product documentation Standardization Technical Committee (SAC/TC146) and focal points.

This section is drafted. the machine Productivity Promotion Center, China Electronics Technology Group Corporation 28th Research Institute, Beijing Digital generous Branch Technology Co., Ltd., Beijing-soft Intentia Information Technology Co., Ltd., Beijing Extech Information Technology Co., Ltd., Guangxi Yuchai Machinery Group has Limited.

1 Scope

This section GB/T 24734 gives the product definition data display, correlation, properties, labeling surface, guide lines, tolerance, inquiry, n Projection and isometric drawings and other aspects of the regulations.

This section applies to the digital product definition of the relevant application, development, services and research.

2 Normative references

The following documents contain provisions which, through reference GB/T 24734 in this section constitute provisions of this section. For dated reference documents Member, all subsequent amendments (not including errata content) or revisions do not apply to this section, however, encouraged to reach under this section Parties to research agreement to use the latest versions of these documents. For undated reference documents, the latest

versions apply to this section.

GB/T 1182-2008 Geometrical product specifications (GPS) geometric tolerances of form, orientation, location and runout tolerancing (ISO 1101:2004, IDT) GB/T 4458.1-2002 Mechanical drawings - view (ISO 128-34:2001, Technical drawings-General principles of presentation-Part 34. Views on mechanical engineering drawings, MOD) GB/T 4458.6-2002 mechanical sectional drawings - view and a sectional view (ISO 128-44:2000, Technical drawings-General principles of presentation-Part 44. Sections on mechanical engineering drawings, MOD) GB/T 17451-1998, Technical Drawing and View (neq ISO/DIS 11947-1.1995) GB/T 17452-1998 sectional technical drawings - view and a sectional view (eqv ISO/DIS 11947-2.1995) GB/T 24734.1-2009 Technical product documentation - Digital product definition data practices - Part 1. Terms and definitions (ISO 16792:2006, Technical product documentation-Digital product definition data practices, NEQ) GB/T 24734.3-2009 Technical product documentation - Digital product definition data practices - Part 3. Data collection requirements (ISO 16792:2006, Technical product documentation-Digital product definition data practices, NEQ) GB/T 24734.7-2009 Technical product documentation - Digital product definition data practices - Part 7. Requirements Notes (ISO 16792:2006, Technical product documentation-Digital product definition data practices, NEQ) GB/T 24734.8-2009 Technical product documentation - Digital product definition data practices - Part 8. Numerical model and size you want Requirements (ISO 16792:2006, Technical product documentation-Digital product definition data practices, NEQ) GB/T 24734.9-2009 Technical product documentation - Digital product definition data practices - Part 9. Reference Application (ISO 16792:2006, Technical product documentation-Digital product definition data practices, NEQ) GB/T 24734.10-2009 technical product documentation - Digital product definition data practices - Part 10. Application of geometric tolerances (ISO 16792:2006, Technical product documentation-Digital product definition data practices, NEQ)

3 Terms and Definitions

Terms and definitions GB/T 24734.1-2009 established in this section apply to GB/T 24734 of.