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

GB/T 4459.8-2009

Replacing GB/T 4459.6-1996

**Mechanical drawings -- Seals for dynamic application -- Part 1:
General simplified representation**

机械制图 动密封圈 第1部分：通用简化表示法

(English Translation)

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Foreword

GB/T 4459 "Mechanical Drawing" is divided into the following sections.

- GB/T 4459.1-1995 "Mechanical Drawing screw threads and threaded parts";
- GB/T 4459.2-2003 "Mechanical Drawing gear notation";
- GB/T 4459.3-2000 "Mechanical Drawing spline representation";
- GB/T 4459.4-2003 "Mechanical Drawing spring notation";
- GB/T 4459.5-1999 "Mechanical Drawing center hole notation";
- GB/T 4459.6-1996 "Mechanical drawings - Representation of seals";
- GB/T 4459.7-1998 "Mechanical Drawing Rolling notation";
- GB/T 4459.8-2009 "Mechanical drawings seals - Part 1. General simplified representation";
- GB/T 4459.9-2009 "Mechanical drawings rings - Part 2. Characteristic simplified representation." this section GB/T Section 84459 of. This part identical with ISO 9222-1. Part 1 Technical drawings - ring 1989 " Score. General simplified representation. " On the technical content and format consistent with international standards on the use of equivalent consistency.

This section is in accordance with ISO 9222-1. 1989 Content requirements GB/T 4459.6-1996 "Mechanical drawings showing seals Law "Chapter 1, Chapter 2, Section 3, Chapter 4, Chapter 5 be replaced.

In this part, the modified contents are.

- In accordance with the requirements identical with the original name of "Mechanical drawings seals representation" to "mechanical drawing dynamic seals Part 1. General simplified representation. "

--- Contains the contents of the original standard ISO 9222-1 and ISO 9222-2 two parts. This is in accordance with national standards equivalent to mining with the principle of an ISO standard, the ISO 9222-1. 1989 Revision of GB/T 4459.8-2009.

--- Version Number situation.

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, Jiangsu Teachers University of Technology, Hefei University of Technology, Jiangsu Polytechnic University.

1 Scope

GB/T 4459 provisions of this part of the dynamic seals simplified representation in general painting.

This section applies to the assembly diagram showing the movable ring shape and structure need not be exactly.

2 Normative references

The following documents contain provisions which, through reference to GB/T 4459 to the present, 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 4457.4 Mechanical drawings Fatou line (GB/T 4457.4-2002, ISO 128-24:1999, Technical drawings-General principles of presentation-Part 24. Lines on mechanical engineering drawings, MOD) GB/T 4459.9 Mechanical drawings rings - Part 2. Simplified representation features (GB/T 4459.9-2009, ISO 9222-2. 1989, Technical drawings-Seals for dynamic application-Part 2. Detailed simplified representation, IDT)

3 Notation

Chart 3.1

When drawing ring with the general drawing, contour, wireframe and symbols are rectangular with GB/T 4457.4 thick solid line specified in drawing.

3.2 Ratio

When drawing ring with the general painting, the size of the outline should be relevant to your drawings using the same scale.

3.3 General simplified representation

In cross-section, if there is no special edge shapes, need not exactly represent the contour, the rectangular frame may be used in the center of the frame A diagonal cross symbols indicate the method shown in Figure 1. Cross the line should not be in contact with the rectangular frame.

This notation should be drawn on one or both sides of the shaft, Figure 4 shows a horizontal axis on both sides of the painting.

Figure 1 shows the seal does not need to represent the direction of representation, such as the need to represent the direction of the seal should be at one end of a diagonal line drawn symbol

Arrow, pointing to the side of the seal, shown in Figure 2.

1 General drawing Figure 2 indicates the direction of universal painting seal If you need exactly represent contour ring structure, it should draw its true cross-sectional profile, and its central character to draw diagonal no, not in contact with the cross-line rectangular frame as shown in Figure 3.

GB/T 4459.8-2009/ISO 9222-1. 1989