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STANDARD

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Technical drawings — Representation of splines and serrations

ICS 01.100.20

Descriptors : technical drawing, engineering drawings, splines, serrations (mechanical components)

Reference number : JIS B 0006 : 1993 (E)

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Foreword

This translation has been made based on the original Japanese Industrial Standard established by the Minister of International Trade and Industry through deliberations at the Japanese Industrial Standards Committee in accordance with the Industrial Standardization Law.

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In the event of any doubts arising as to the contents,
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Technical drawings — Representation of splines and serrations

Foreword for Japanese Industrial Standard

This Japanese Industrial Standard has been prepared based on the first edition of **ISO 6413** *Technical drawings — Representation of splines and serrations* published in 1988 without modifying the technical contents.

"Informative references" given dotted sidelines are the matters not stated in the original International Standard.

1 Scope This Standard specifies the rules and graphical symbols for the representations of splines and serrations on technical drawings.

Two methods of representation are specified as follows:

- (a) true representation;
- (b) simplified representation.

Informative reference: True representation is specified in **5**, and simplified representation is specified in **6** and **7**.

The rules and graphical symbols specified in this Standard are applicable to detail drawings of the parts (shafts and hubs) and to assembly drawings of joints.

Remarks: For uniformity all figures in this Standard are drawn in the third-angle orthographic projection.

It should be understood that the first-angle orthographic projection could equally well have been used without prejudice to the principles established.

Informative reference: In the original International Standard, all figures are drawn in the first-angle orthographic projection but, in this Japanese Industrial Standard, the third-angle orthographic is used. In the above Remarks, therefore, "first-angle orthographic projection" is replaced with "third orthographic projection".

2 Normative reference The following standards contain provisions which, through reference in this text, constitute provisions of this Standard. At the time of publication, the editions indicated were valid. All standards are subject to revision, and parties to agreements based on this International Standard are encouraged to investigate the possibility of applying the most recent editions of the standards listed below. Members of **IEC** and **ISO** maintain registers of currently valid International Standards.

ISO 14:1982 *Straight-sided splines for cylindrical shafts with internal centering — Dimensions, tolerances and verification*