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**Geometrical product specifications  
(GPS)—Fundamentals—Concepts,  
principles and rules**

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In the event of any doubts arising as to the contents,  
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## **Foreword**

This Japanese Industrial Standard has been revised by the Minister of Economy, Trade and Industry through deliberations at the Japanese Industrial Standards Committee as the result of proposal for revision of Japanese Industrial Standard submitted by Japanese Standards Association (JSA) with the draft being attached, based on the provision of Article 12 Clause 1 of the Industrial Standardization Law applicable to the case of revision by the provision of Article 14. Consequently **JIS B 0024:1988** is replaced with this Standard.

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# Geometrical product specifications (GPS)—Fundamentals—Concepts, principles and rules

## Introduction

This Japanese Industrial Standard has been prepared based on **ISO 8015:2011**, Edition 2, with some modifications of the technical contents.

The dotted underlines indicate changes from the corresponding International Standard. A list of modifications with the explanations is given in Annex JA.

Detailed information of the relation of this Standard to the GPS matrix model and other GPS Standards is given in Annex A.

## 1 Scope

This Standard specifies fundamental concepts, principles and rules valid for the creation of all other International Standards, Technical Specifications and Technical Reports and for the creation, interpretation and application of **JISs**, concerning dimensional and geometrical product specifications (GPS) and verification.

This Standard applies to the interpretation of GPS indications on all types of drawings.

For the purposes of this Standard, the term “drawing” is to be interpreted in the broadest possible sense, encompassing the total package of documentation specifying the workpiece.

NOTE 1 In the corresponding International Standard, **ISO** GPS system applies regardless of the indication of “Tolerancing **ISO 8015**” in or near the title block.

NOTE 2 The International Standard corresponding to this Standard and the symbol of degree of correspondence are as follows.

ISO 8015:2011 *Geometrical product specifications (GPS)—Fundamentals—Concepts, principles and rules* (MOD)

In addition, symbols which denote the degree of correspondence in the contents between the relevant International Standard and **JIS** are IDT (identical), MOD (modified), and NEQ (not equivalent) according to **ISO/IEC Guide 21-1**.

## 2 Normative references

The following standards contain provisions which, through reference in this text, constitute provisions of this Standard. For standards indicated below, only the editions of the indicated year shall be applied and the revisions (including amendments) made thereafter shall not be applied.

ISO 17450-1:2011 *Geometrical product specifications (GPS)—General concepts—Part 1: Model for geometrical specification and verification*