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**Geometrical product specifications (GPS)
— Dimensional tolerancing — Part 1:
Linear sizes**

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

This translation has been made based on the original Japanese Industrial Standard established by the Minister of Economy, Trade and Industry through deliberations at the Japanese Industrial Standards Committee according to the proposal for establishment 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.

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Geometrical product specifications (GPS) — Dimensional tolerancing — Part 1 : Linear sizes

Introduction

This Japanese Industrial Standard has been prepared based on the first edition of ISO 14405-1 published in 2010 with some modifications of the technical contents in which the relevant terms having been conventionally established in JISs have been partially reviewed.

The portions given dotted underlines are the matters in which the contents of the corresponding International Standard have been modified. A list of modifications with the explanations is given in Annex JB.

1 Scope

This Standard establishes the default specification operator for linear size and defines a number of special specification operators for linear size for feature of size types “cylinder” and “two parallel opposite planes”. It also defines the specification modifiers and the drawing indications for these linear sizes.

This Standard covers the following linear sizes:

- local size
 - two-point size
 - spherical size
 - section size
 - portion size
- global size
 - direct global linear size
 - least-square size
 - maximum inscribed size
 - minimum circumscribed size
 - indirect global linear size
 - calculated global size (calculated size with volume diameter)
- calculated size
 - circumference diameter
 - area diameter
 - volume diameter