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(JMIF)

Triangular scales

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Foreword

This translation has been made based on the original Japanese Industrial Standard 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 Japan Measuring Instrument Federation (JMIF) 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 7543** : 1987 is replaced with this Standard.

Attention is drawn to the possibility that some parts of this Standard may conflict with a patent right, application for a patent after opening to the public, utility model right or application for registration of utility model after opening to the public which have technical properties. The relevant Minister and the Japanese Industrial Standards Committee are not responsible for identifying the patent right, application for a patent after opening to the public, utility model right or application for registration of utility model after opening to the public which have the said technical properties.

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In the event of any doubts arising as to the contents, the original JIS is to be the final authority.

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Contents

Triangular scales

1 Scope This Japanese Industrial Standard specifies length scales of almost triangular cross-section having six faces graduated with a contraction scale, of which nominal sizes are 100 mm, 150 mm and 300 mm (hereafter referred to as "triangular scales").

2 Normative references The following standards contain provisions which, through reference in this text, constitute provisions of this Standard. The most recent editions of the standards (including amendments) indicated below shall be applied.

JIS B 0621 *Definitions and designations of geometrical deviations*

JIS B 7513 *Precision surface plates*

JIS B 7514 *Steel straightedges*

JIS B 7524 *Feeler gauges*

JIS Q 17025 *General requirements for the competence of testing and calibration laboratories*

JIS Z 8103 *Glossary of terms used in measurement*

3 Definitions For the purpose of this Standard, the definitions given in **JIS Z 8103** and **JIS B 0621** and the following definitions apply. The name of the respective parts of triangular scales shall be as shown in figure 1.

a) **reference point** graduation line to be taken as the reference of measurement (see figure 1)

b) **contraction ratio of scale** a value expressed in a fraction using one for the numerator and an individual numerical value equal to or more than one for the denominator (see figure 5)

c) **contraction scale** a scale graduated with a definite contraction ratio

d) **scale spacing** the length between two adjacent graduation lines measured centre-to-centre of their thicknesses

e) **scale interval*** magnitude of measuring amount corresponding to the scale spacing

Note * The scale interval mentioned here is an abstract idea.