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JIS B 3102 : 2001

(JMA)

## Gauge blanks for screw threads limit gauges

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ICS 17.040.30; 21.040.01

**Descriptors** : thread gauges, plug gauges, ring gauges, setting gauges

**Reference number** : JIS B 3102 : 2001 (E)

## 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 the Japan Precision Measuring Instruments Association (JMA) with the draft being attached, based on the provision of Article 12 Clause 1 of the Industrial Standardization Law.

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In the event of any doubts arising as to the contents,  
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## Gauge blanks for screw threads limit gauges

**1 Scope** This Japanese Industrial Standard specifies gauge blanks, shape and dimensions, including handles for the gauges specified in Annex (normative) to **JIS B 0251** and in **JIS B 0255**.

Concerning the gauges of **JIS B 0255**, Annex (normative) to this Standard, which gives the gauge blanks including handles specified in the Annex to **JIS B 3102 : 1975**, will be withdrawn on Dec. 31, 2004.

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

JIS B 0251 *Limit gauges for metric screw threads*

JIS B 0255 *Limit gauges for unified screw threads*

JIS B 7420 *Plain limit gauges*

**3 Definitions** For the main terms used in this Standard, the following definitions apply.

- a) **ring gauge** A generic term of the solid screw ring gauge of **JIS B 0251** and the screw thread ring gauge and plain ring gauge of **JIS B 0255**.
- b) **plug gauge** A generic term of the screw thread plug gauge, check gauge and plain plug gauge specified in **JIS B 0251** and **JIS B 0255**.
- c) **taper lock type** A form of gauges assembled by fitting the tapered part of a plug gauge into the tapered bore of the handle.
- d) **trilock type** A form of such a gauge that a plug gauge is fixed by a bolt after fitting the three trapezium projections shaped on the end face of handle in the three Vee grooves provided in the plug gauge end face (hereafter referred to as trilock grooves).

**4 Classification** The shape of ring gauges and plug gauges shall be classified into thick and thin types, of which the applications shall be as given in Tables 1 and 2.