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JIS B 0271 : 2004
(JMA)

**Three wires for screw thread
measuring and four wires for
screw thread measuring**

ICS 21.040.10

Reference number : JIS B 0271 : 2004 (E)

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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 Precision Measuring Instruments Association (JMA) 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 0271 : 1992** is replaced with this Standard.

This revision reviews the former standard thoroughly, and modifies the scope, nominal wire diameters, etc.

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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Three wires for screw thread measuring and four wires for screw thread measuring

1 Scope This Japanese Industrial Standard specifies three wires and four wires for screw thread measuring (hereafter referred to as “wires”) which consist of a set of three and four wires respectively, intending to be used for measuring the pitch diameter of thread plug gauges defined in **JIS B 0251**, **JIS B 0253**, **JIS B 0254** or **JIS B 0255** and others equivalent thereto.

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 0253 *Gauges for taper pipe threads*

JIS B 0254 *Screw thread limit gauges for parallel pipe threads*

JIS B 0255 *Limit gauges for unified screw threads*

JIS B 0659-1 *Geometrical Product Specifications (GPS)—Surface texture : Profile method ; Measurement standards—Part 1 : Material measures*

JIS G 4404 *Alloy tool steels*

JIS Z 2244 *Vickers hardness test—Test method*

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

- a) **nominal wire diameter** Nominal diameter of the wire.
- b) **mean indicated wire diameter** Mean value of indicated diameters of the individual wires consisting a set of wires.

4 Normal temperature Numeral values for every dimension in this Standard are to be at a temperature 20 °C.

5 Application of nominal wire diameters Table 1 gives applicable screw thread form and pitch or number of threads per 25.4 mm by the nominal wire diameter.