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STANDARD

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JIS B 7519 : 1994

(Reaffirmed : 1999)

Microindicators

ICS 17.040.30

Descriptors : dial gauges, linear measuring instruments

Reference number : JIS B 7519 : 1994 (E)

B 7519 : 1994

Foreword

This translation has been made based on the original Japanese Industrial Standard revised by the Minister of International Trade and Industry through deliberations at the Japanese Industrial Standards Committee in accordance with the Industrial Standardization Law:

Date of Establishment: 1961-01-01

Date of Revision: 1994-07-01

Date of Reaffirmation: 1999-10-20

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Divisional Council on Precision Machinery

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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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Microindicators

1 Scope This Japanese Industrial Standard specifies the length measuring instrument of a construction capable of transmitting a mechanically magnified displacement of the spindle having measuring point to the pointer as a rotary motion with a scale interval of not more than 1 μm and the range of rotary motion of pointer of less than one revolution. This Standard does not apply to the type of microindicators having electrical or other signal generating device.

Remarks : The normative references are as follows.

JIS B 0401 *System of limits and fits*

JIS B 1501 *Steel balls for ball bearings*

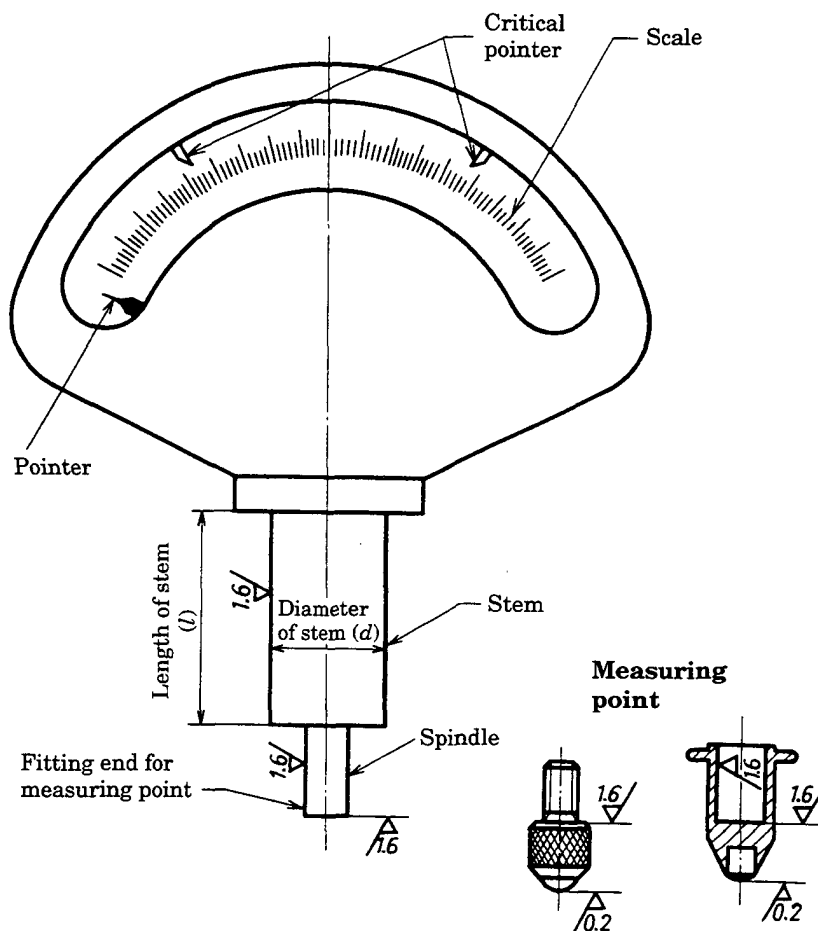
JIS B 7503 *Dial gauges*

JIS B 7506 *Gauge blocks*

JIS G 4404 *Alloy tool steels*

JIS H 5501 *Cemented carbide alloy of tip*

2 Description and principal parts The descriptions of the principal parts are as shown in Fig. 1.



Remarks : This figure being merely a diagrammatic view is not intended to show the standard of shape.

Fig. 1

3 Performance The performance of microindicators shall be as given in Table 1.