

JIS

JAPANESE INDUSTRIAL STANDARD

Micrometer callipers

 **JIS B 7502**—1994

Translated and Published

by

Japanese Standards Association

**In the event of any doubt arising,
the original Standard in Japanese is to be final authority**

Errata for JIS (English edition) are printed in *Standardization Journal*, published monthly by the Japanese Standards Association.

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Errata are also provided to subscribers of JIS (English edition) in *Monthly Information*.



1. Scope This Japanese Industrial Standard specifies those of the maximum measuring length or under given in Table 1, among the micrometer callipers for general use, which measure the external dimensions, internal dimensions and the dimensions of base tangent length and the like and displacement of gears, having the spindles of scale interval of 0.01 mm or 0.001 mm in minimum indication and of 0.5 mm or 1 mm in the pitch of screw thread.

Table 1. Maximum measuring lengths

Type	Maximum measuring length mm
Micrometer callipers for external measurement	500
Bar-shaped micrometer callipers for internal measurement (tubular type) ⁽¹⁾	500
Tooth thickness micrometer callipers	300
Micrometer head	25

Note ⁽¹⁾ Hereafter, referred to as "micrometer callipers for internal measurement".

- Remarks
1. Those which are equipped with the mechanical and electronic digital indication are included.
 2. The standards cited in this Standard are given in the following:
 - JIS B 7430 Optical flats
 - JIS B 7431 Optical parallels
 - JIS B 7506 Gauge blocks
 - JIS B 7536 Electrical comparators
 - JIS B 7538 Autocollimators
 - JIS G 4051 Carbon steels for machine structural use
 - JIS G 4303 Stainless steel bars
 - JIS G 4404 Alloy tool steels
 - JIS H 5501 Cemented carbide alloy of tip
 - JIS Z 8103 Glossary of terms used in instrumentation
 3. The International Standard corresponding to this Standard is as follows:
 - ISO 3611 (1978) Micrometer callipers for external measurement