

# JIS

**JAPANESE INDUSTRIAL STANDARD**

**Depth micrometers**

**JIS B 7544-19 4**

**Translated and Published**

**by**

**Japanese Standards Association**

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## JAPANESE INDUSTRIAL STANDARD

J I S

Depth micrometers

B 7544-1994

1. Scope This Japanese Industrial Standard specifies those of 300 mm or under in the maximum measuring length, among the depth micrometers<sup>(1)</sup> (hereafter referred to as "micrometers") for general purpose of 0.01 mm in scale interval or 0.001 mm in the minimum indication, and of 0.5 mm in the pitch of screw threads of the spindle.

Furthermore, as to the exchanging spindles<sup>(2)</sup>, these are specified in the Annex.

Notes (1) The micrometers annexed with mechanical or electronic digital indication are also included.

(2) The exchanging spindles may also be called "rods".

Remarks: 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 7513 Precision surface plates

JIS G 4051 Carbon steels for machine structural use

JIS G 4303 Stainless steel bars

JIS G 4401 Carbon tool steels

JIS G 4404 Alloy tool steels

JIS H 5501 Cemented carbide alloy of tip

JIS Z 8102 Glossary of terms used in instrumentation

2. Definitions For the main terms used in this Standard, the definitions in JIS Z 8103 apply and the rest of the terms are as follows:

(1) depth micrometer The measuring instrument capable of reading the distance between the reference plane of a base and the measuring plane corresponding to the depth or height of an article to be measured, being equipped with the base having a flat plane which serves as the reference of measurement, and the spindle which travels in axial direction perpendicular to the reference plane; and the sleeve and thimble having graduations indicating the movement of the spindle.

As to those having digital indications, there are the mechanical types and electronic types.

(2) instrumental error The value subtracted the true value from the reading of the micrometer.