

JAPANESE INDUSTRIAL STANDARD

Miniature Screw Threads

JIS B 0201-1973

Translated and Published

by

Japanese Standards Association

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standards in Japanese are to be evidence

B 0201-1973

Japanese Text

Established by Minister of International Trade and Industry

Date of Establishment: December 1, 1973

Date of Public Notice in Official Gazette: December 7, 1973.

Investigated by: Japanese Industrial Standards Committee
Technical Committee on Screw Threads (Basic)
(Chairman: YAMAMOTO Noboru)
Divisional Council on Machine Element
(Chairman: HAYASHI Kineo)

This English translation is published by:
Japanese Standards Association
1-24, Akasaka 4, Minato-ku,
Tokyo, 107 Japan
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Miniature Screw Threads

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1. Scope

This Japanese Industrial Standard specifies basic profile, formulas, basic dimensions, classes, limits of sizes and tolerances for miniature screw threads of nominal diameter 0.3 to 1.4 mm used for timepieces, optical instruments, electrical meters, measuring instruments, etc. The tolerance system is given in Appendix.

The miniature screw threads of nominal diameter 1 to 1.4 mm shall be used only where required especially in timepiece industry and the like, in other cases generally JIS B 0205-Metric Coarse Screw Threads shall be complied with.

Reference: This miniature screw threads conform to ISO miniature screw threads specified in ISO R 1501-ISO miniature screw threads.

2. Basic Profile, Formulas, and Basic Dimensions

2.1 Basic Profile The basic profile is indicated by a heavy line in Fig. 1.

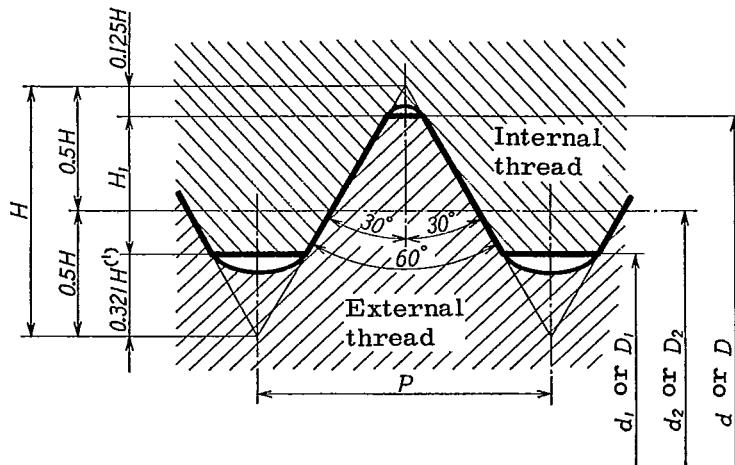


Fig. 1. Basic Profile for Miniature Screw Threads

Note ⁽¹⁾ This value is that obtained by rounding off 0.320744H.

2.2 Formulas The formulas used for the calculation of basic dimensions shall be as follows:

$$\begin{array}{lll} H=0.866025 P & d_2=d-0.649519 P & D=d \\ H_1=0.48 P & d_1=d-0.96 P & D_2=d_2 \\ & & D_1=d_1 \end{array}$$

Applicable Standard:

JIS B 0205-Metric Coarse Screw Threads

Reference Standard:

ISO R 1501-100

