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(JSCTA/JSA)

Threading tools—Vocabulary
Part 1 : Taps

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Reference number : JIS B 0176-1 : 2002 (E)

Foreword

This translation has been made based on the original Japanese Industrial Standard established by the Minister of Economy, Trade and Industry through deliberations at the Japanese Industrial Standards Committee according to the proposal of establishing a Japanese Industrial Standard from The Japan Small Cutting Tool's Association (JSCTA)/the Japanese Standards Association (JSA), with a draft of Industrial Standard based on the provision of Article 12 Clause 1 of the Industrial Standardization Law. By this establishment, **JIS B 0176** : 1996 has been withdrawn and replaced with **JIS B 0176** : 2002 Parts 1 to 4.

This part of **JIS B 0176** has been prepared based on **ISO 5967** : 1981 *Taps and thread cutting—Nomenclature of the main types and terminology* to conform to the International Standard.

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.

JIS B 0176 consists of the following four parts with the general title *Threading tools—Vocabulary*.

Part 1 : Taps

Part 2 : Thread cutting dies

Part 3 : Chaser

Part 4 : Thread rolling dies

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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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Introduction This part of **JIS B 0176** has been prepared based on **ISO 5967** *Taps and thread cutting—Nomenclature of the main types and terminology* published in 1981, with some modification in the editing points and/or technical contents.

The portions with sidelines and underlined with dots are the matters modifying the International Standard.

1 Scope This part of **JIS B 0176** specifies terms and definitions related to the taps(1) to be used mainly for metal workings in general.

Note (1) The tool of external thread type to form internal threads to the prepared hole mainly by the rotation and the feed compatible with the lead of the screw threads.

Remarks : The International Standard corresponding to this Standard is as follows.

In addition, symbols which denote the degree of correspondence in the contents between the relevant International Standard and **JIS** are IDT (identical), MOD (modified), and NEQ (not equivalent) according to **ISO/IEC Guide 21**.

ISO 5967 : 1981 *Taps and thread cutting—Nomenclature of the main types and terminology* (MOD)

2 Classification The terms shall be classified as given in the following:

a) **Types of taps**

1) Classification according to cutting part materials and surface treatments

2) Classification according to structure

3) Classification according to feature of shank

4) Classification according to functions or uses

4.1) Classification according to manufacturing methods

4.2) Classification according to uses

4.3) Classification according to types of screw threads

4.4) Classification according to flutes

b) **Elements of tap**

c) **Angles of tap**

d) **Accuracy of tap**

e) **Damages on cutting parts of tap**

f) **Taps in general**