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(JSCTA/JSA)

Threading tools—Vocabulary
Part 2 : Thread cutting dies

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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 By this establishment, **JIS B 0176 : 1996** has been withdrawn and replaced with **JIS B 0176 : 2002** Parts 1 to 4.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 5968 : 1981** *Circular screwing dies—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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Threading tools—Vocabulary

Part 2 : Thread cutting dies

Introduction This part of **JIS B 0176** has been prepared based on **ISO 5968** *Circular screwing dies—Terminology* published in 1981, with some modifications in the editing points and/or technical contents.

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

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

Note (1) Tools of internal thread type used for cutting external threads, having flutes to clear out cutting chips.

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 5968 : 1981 *Circular screwing dies—Terminology* (MOD)

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

a) **Types of thread cutting dies**

- 1) Classification according to cutting part materials and surface treatments
- 2) Classification according to structure
- 3) Classification according to functions or uses
 - 3.1) Classification according to manufacturing methods
 - 3.2) Classification according to uses
 - 3.3) Classification according to types of screw threads
 - 3.4) Classification according to flutes

b) **Elements of thread cutting dies**

c) **Angles of thread cutting dies**

d) **Accuracy of thread cutting dies**

e) **Damages on cutting parts of thread cutting dies**

f) **Thread cutting dies in general**