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Threading tools—Vocabulary
Part 4 : Thread rolling 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 By this establishment, **JIS B 0176 : 1996** has been withdrawn and replaced with **JIS B 0176 : 2002** Parts 1 to 4.

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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,
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Threading tools—Vocabulary

Part 4 : Thread rolling dies

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

Note (1) The tool for form rolling of the external thread by rotary or reciprocating motion.

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

a) **Types of thread rolling dies**

- 1) Classification according to thread 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 shapes
 - 3.3) Classification according to uses
 - 3.4) Classification according to types of screw threads

b) **Elements of thread rolling dies**

c) **Angles of thread rolling dies**

d) **Accuracy of thread rolling dies**

e) **Damage on thread parts of thread rolling dies**

f) **Thread rolling dies in general**

3 Classification of thread rolling dies The names expressing the types of the thread rolling dies shall be read combining the terms corresponding to the order of type number. However, the manufacturing methods shall be omitted, and the classification according to the type of screw thread shall follow the classification of cutting part material and surface treatment. In addition, the type of screw thread may be changed to the designation of screw threads (see Table 1).