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## JIS B 4236 : 1998

### Milling cutters — Counterbores for hexagon socket head bolts

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**Descriptors** : cutting tools, counterboring cutters, hexagonal-head fasteners, bolts,  
socket-head fasteners, milling cutters

**Reference number** : JIS B 4236 : 1998 (E)

B 4236 : 1998

## Foreword

This translation has been made based on the original Japanese Industrial Standard revised by the Minister of International Trade and Industry through deliberations at the Japanese Industrial Standards Committee in accordance with the Industrial Standardization Law. Consequently **JIS B 4236:1989** is replaced with **JIS B 4236:1998**.

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.

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In the event of any doubts arising as to the contents,  
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## Milling cutters — Counterbores for hexagon socket head bolts

**Introduction** This Japanese Industrial Standard has been prepared based on the third edition of **JIS B 4236** published in 1989 without modifying the technical contents but changing the form according to **JIS Z 8301** *Rules for the drafting and presentation of Japanese Industrial Standards*.

**1 Scope** This Japanese Industrial Standard specifies the counterbores for hexagon socket head bolts used for the working of counterbores corresponding to hexagon socket head bolts with thread designations M3 to M27 specified in **JIS B 1176** (hereafter referred to as "milling cutters").

**2 Normative references** The following standards contain provisions which, through reference in this Standard, constitute provisions of this Standard. The most recent editions of the standards (including amendments) indicated below shall be applied.

- JIS B 0021 *Geometrical product specifications (GPS) — Geometrical tolerancing — Tolerancing of form, orientation, location and run-out*
- JIS B 0101 *Screw threads and fasteners — Vocabulary*
- JIS B 0172 *Glossary of terms for milling cutters*
- JIS B 0401-2 *ISO system of limits and fits — Part 2: Tables of standard tolerance grades and limit deviations for holes and shafts*
- JIS B 0405 *General tolerances — Part 1: Tolerances for linear and angular dimensions without individual tolerance indications*
- JIS B 0601 *Surface roughness — Definitions and designation*
- JIS B 0659 *Roughness comparison specimens*
- JIS B 1001 *Diameter of clearance holes and counterbores for bolts and screws*
- JIS B 1011 *Centre holes*
- JIS B 1176 *Hexagon socket head cap screws*
- JIS B 1501 *Steel balls for ball bearings*
- JIS B 3301 *Morse taper gauges*
- JIS B 4003 *Morse taper shanks and sockets — Dimensional characteristics*
- JIS B 4005 *Milling cutters cylindrical shanks — Dimensional characteristics*
- JIS B 7503 *Dial gauges*
- JIS B 7513 *Precision surface plates*
- JIS B 7540 *V-blocks*
- JIS B 7725 *Vickers hardness test — Verification of testing machines*
- JIS B 7726 *Rockwell hardness test — Verification of testing machines*
- JIS G 4051 *Carbon steels for machine structural use*
- JIS G 4403 *High speed tool steels*