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**Bicycles — Free wheels and hub cogs**

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## Foreword

This Japanese Industrial Standard has been revised by the Minister of Economy, Trade and Industry through deliberations at the Japanese Industrial Standards Committee as the result of proposal for revision of Japanese Industrial Standard submitted by Japan Bicycle Promotion Institute (JBPI)/Japanese Standards Association (JSA) with a draft being attached, based on the provision of Article 12, paragraph (1) of the Industrial Standardization Act applied mutatis mutandis pursuant to the provision of Article 16 of the said Act. This edition replaces the previous edition (**JIS D 9418 : 2008**), which has been technically revised.

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# Bicycles — Free wheels and hub cogs

## Introduction

This Japanese Industrial Standard has been prepared based on **ISO 6697** : 1994, Edition 1 and **ISO 10230** : 1990, Edition 1, by modifying the technical contents for the parts corresponding to this Standard (shapes and dimensions) but also adding some **JIS** specification contents that are not given in the said International Standards.

The vertical lines on both sides and dotted underlines indicate changes from the corresponding International Standards. A list of modifications with the explanations is given in Annex JC.

## 1 Scope

This Standard specifies the requirements for the freewheels and hub cogs to be used for bicycles for general use, bicycles for young children and electric power assisted bicycles mainly specified in **JIS D 9111**.

**NOTE** The International Standards corresponding to this Standard and the symbol of degree of correspondence are as follows.

ISO 6697 : 1994 *Cycles — Hubs and freewheels — Assembly dimensions*

ISO 10230 : 1990 *Cycles — Splined hub and sprocket — Mating dimensions* (overall evaluation : MOD)

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 21-1**.

## 2 Normative references

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

JIS B 0205-1 *ISO general purpose metric screw threads — Part 1 : Basic profile*

JIS B 0205-2 *ISO general purpose metric screw threads — Part 2 : General plan*

JIS B 0205-3 *ISO general purpose metric screw threads — Part 3 : Selected sizes for screws, bolts and nuts*

JIS B 0205-4 *ISO general purpose metric screw threads — Part 4 : Basic dimensions*

JIS B 0209-1 *ISO general purpose metric screw threads — Tolerances — Part 1 : Principles and basic data*