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Bicycles—Handlebars and stems

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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 the draft being attached, based on the provision of Article 12 Clause 1 of the Industrial Standardization Law applicable to the case of revision by the provision of Article 14. Consequently **JIS D 9412:2009** is replaced with this Standard.

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Bicycles—Handlebars and stems

1 Scope

This Japanese Industrial Standard specifies requirements for the handlebars and stems (hereafter referred to as handlebar assemblies) to be used mainly for bicycles for general use, young children bicycles, and electric power assisted cycles specified in **JIS D 9111**.

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*
- JIS B 0209-2 *ISO general purpose metric screw threads—Tolerances—Part 2: Limits of sizes for general purpose external and internal screw threads—Medium quality*
- JIS B 0209-3 *ISO general purpose metric screw threads—Tolerances—Part 3: Deviations for constructional screw threads*
- JIS D 9111 *Cycles—Classification, terminology and essential characteristics*
- JIS D 9115 *Electric power assisted bicycles*
- JIS D 9301 *Bicycles for general use*
- JIS D 9302 *Bicycles for young children*
- JIS H 8610 *Electroplated coatings of zinc on iron or steel*
- JIS H 8617 *Electroplated coatings of nickel and chromium*
- JIS K 5600-5-4 *Testing methods for paints—Part 5: Mechanical property of film—Section 4: Scratch hardness (Pencil method)*

3 Constitution and classification

The handlebar assemblies for bicycles shall consist of the handlebar (hereafter referred to as bar) and the handlebar stem (including the integral type, hereafter referred to as stem), and are classified according to the use and type as given in Table 1. The stem is either structured with a shaft (post), or is clamped to the extension of the fork steerer [see Figures 1 e) and f)].