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**Hexagon nuts and hexagon thin nuts**

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## Foreword

This translation has been made based on the original Japanese Industrial Standard 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 The Japan Research Institute for Screw Threads and Fasteners (JFRI) / 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 B 1181 : 2009** is replaced with this Standard.

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# Hexagon nuts and hexagon thin nuts

## Introduction

This Japanese Industrial Standard has been prepared based on the fourth edition of ISO 4032 published in 2012, third edition of ISO 4033 published in 2012, the fourth editions of ISO 4034 and ISO 4035 published in 2012, and the third editions of ISO 4036, ISO 8673, ISO 8674 and ISO 8675 published in 2012 by integrating them into one standard without modifying the technical contents for corresponding parts (shape and dimensions, product specification and examples of product designations). Annex JA and Annex JB contain specifications of characteristics of hexagon nuts and hexagon thin nuts that are not given in ISO standards, to reflect the actualities of the production and application of nuts that are unique to Japan.

The portions given sidelines or dotted underlines are the matters in which the contents of the corresponding International Standards have been modified. A list of modifications with the explanations is given in Annex JC.

## 1 Scope

This Standard specifies hexagon nuts and hexagon thin nuts (hereafter generically referred to as “hexagon nuts”) made of steel, stainless steel and non-ferrous metals.

If, in special cases, dimensions and product specifications other than those listed in this Standard are required, they shall be selected from existing Japanese Industrial Standards, for example JIS B 0205-4, JIS B 0209-1, JIS B 1021, JIS B 1052-2, JIS B 1052-6 and JIS B 1054-2 upon agreement between the purchaser and the manufacturer.

Annex JA gives specifications of hexagon nuts not given in ISO 4032 to ISO 4036,...  
and ISO 8673 to ISO 8675. Annex JB gives specifications of steel nuts of property  
classes 4 T to 10 T.

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

ISO 4032 : 2012 *Hexagon regular nuts (style 1) — Product grades A and B*

ISO 4033 : 2012 *Hexagon high nuts (style 2) — Product grades A and B*

ISO 4034 : 2012 *Hexagon regular nuts (style 1) — Product grade C*

ISO 4035 : 2012 *Hexagon thin nuts chamfered (style 0) — Product grades A and B*

ISO 4036 : 2012 *Hexagon thin nuts unchamfered (style 0) — Product grade B*

ISO 8673 : 2012 *Hexagon regular nuts (style 1) with metric fine pitch thread — Product grades A and B*