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Bolting for use with pipe flanges

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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 The Japan Society of Mechanical Engineers (JSME)/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 1217:2012** is replaced with this Standard.

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Bolting for use with pipe flanges

Introduction

This Japanese Industrial Standard was established in 2009 and has been revised twice since then. The previous edition was made in 2012, and this revision is to update the contents of this document based on changes in production and use of bolts and nuts that have been made after the introduction of the previous edition.

No corresponding International Standard has been established at this point.

1 Scope

This Standard specifies requirements for bolts, nuts and associated parts used for joining the pipe flanges specified in JIS B 2220, JIS B 2239, JIS B 2240 and JIS B 2241 (hereafter referred to as flanges).

For those bolts, nuts, and associated parts that are intended for services at temperatures below the ordinary temperature, the requirements for material, steel grade and property class are to be subject to the agreement between the manufacturer and the purchaser.

NOTE Requirements of this Standard assume the use of right-handed threads.

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 0101 *Screw threads and fasteners — Vocabulary*

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 1003 *Fasteners — Ends of parts with external ISO metric thread*

JIS B 1021 *Tolerances for fasteners — Part 1 : Bolts, screws, studs and nuts — Product grades A, B and C*

JIS B 1041 *Fasteners — Surface discontinuities — Part 1 : Bolts, screws and studs for general requirements*

JIS B 1042 *Fasteners — Surface discontinuities — Part 2 : Nuts*