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Parallel pipe threads

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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 Japanese Industrial Standards Committee in accordance with the Industrial Standardization Law. Consequently **JIS B 0202 : 1982** is replaced with **JIS B 0202 : 1999**.

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Parallel pipe threads

Introduction : This Japanese Industrial Standard has been prepared based on ISO 228-1, *Pipe threads where pressure-tight joints are not made on the threads—Part 1 : Dimensions, tolerances and designation*, which was published in 1994 as the third edition, without any change of technical contents. And the Appeddix(normative) specifies the types and those forms, dimensions, designation and testing methods, which are specified hitherto in the Japanese Industrial Standard.

And the side lined parts in the text of this standard are not specified in the corresponding international standard.

1. Scope This standard specifies parallel pipe threads(1) and is applicable to the threads(2) used mainly for mechanical connection to joint the pipes, pipe fittings, fluid machinery, etc.

The parallel internal pipe thread of Class B of PF 1/8 to PF 6 in thread designation and the parallel pipe thread of PF 7 to PF 12 in thread designation shall be as specified in Appendix (normative).

Notes(1) : Pronunciation in Japanese “kudayou”.

(2) : Not to be applied to the screw threads for conduit tubes and other special products.

Remarks 1. The pipe threads where pressure-tight joints are made on the threads shall comply with JIS B 0203.

2. Threads specified in the text of this Standard shall be used with priority.

3. The corresponding international standardvis as follows.

ISO 228-1 : 1994 *Pipe threads where presure-tight joints are not made on the threads—Part 1 : Dimensions, tolerances and designation*

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 indicated below (including Amendments) shall be applied.

JIS B 0101 *Screw threads and fasteners—Vocabulary*

JIS B 0203 *Taper pipe threads*

JIS B 0254 *Screw thread limit gauges forparallel pipe threads*

3. Definitions The definitions of main vocabularies used in this Standard shall be in accordance with JIS B 0101.

4. Classification and classes The parallel pipe threads are classified into the parallel external pipe threads and the parallel internal pipe threads(3), and the parallel external pipe threads are divided into classes A and B depending on the tolerance on the pitch diameter.

Notes(3) : The parallel internal pipe threads are to be used to the parallel external pipe threads, and differe in tolerance from the parallel internal pipe threads specified in JIS B 0203.

5. Profile, dimensions and tolerances

5.1 Basic thread profile, basic dimensions and tolerances The basic thread profile and basic dimension of pamfillel pipe threads shall comply with Attached Table 1 and the tolerances shall comply with Attached Table 2.

5.2 Thread profile Thread profile as being cut the top of crest within the range of allowance shall be regarded as standard (see Attached Table 1), excepting the internal thread and which may have a chance to be joined with the external taper pipe thread specified in JIS B 0203.

Remarks : The length of internal thread in these case shall not be less than that of the internal thread specified in JIS B 0203.

Reference : When the external parallel pipe thread specified in this standard and the internal parallel pipe thread specified in JIS B 0203 are combined, dimension tolerance of the internal thread specified in JIS B 0203 shall be noted in corresponding product standard.