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(JPFA/JSA)

**Screwed type malleable cast iron
pipe fittings**

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In the event of any doubts arising as to the contents,
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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 Japan Pipe Fittings Association (JPFA)/ 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 2301:2004** is replaced with this Standard.

However, **JIS B 2301:2004** may be applied in the **JIS** mark certification based on the relevant provisions of Article 19 Clause 1, etc. of the Industrial Standardization Law until November 19, 2014.

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Attention is drawn to the possibility that some parts of this Standard may conflict with patent rights, applications for a patent after opening to the public or utility model rights. The relevant Minister and the Japanese Industrial Standards Committee are not responsible for identifying any of such patent rights, applications for a patent after opening to the public or utility model rights.

Screwed type malleable cast iron pipe fittings

Introduction

This Japanese Industrial Standard has been prepared based on the second edition of **ISO 49** published in 1994 for adding types and dealing with the issues that remain unresolved since the previous revision.

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

1 Scope

This Standard specifies screwed type malleable cast iron pipe fittings³⁾ (hereafter referred to as “fittings”) used for ordinary piping²⁾ for water¹⁾, oil, steam, air, gas, etc.

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

ISO 49:1994 *Malleable cast iron fittings threaded to ISO 7-1* (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**.

Notes ¹⁾ It refers to general service water, water for fire-fighting, water for industrial use, cold and hot water for air-conditioning, cooling water, etc. except drinking water.

²⁾ It refers to piping mainly using carbon steel pipes for ordinary piping except that for high-pressure, for conduits and for other specific purposes.

³⁾ It refers to those whose surface conditions are unmachined, galvanized, internally resin-coated and externally resin-covered.

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 0151 *Iron and steel pipe fittings—Vocabulary*

JIS B 0202 *Parallel pipe threads*

NOTE : Corresponding International Standard: ISO 228-1:1994 *Pipe threads where pressure-tight joints are not made on the threads—Part 1: Dimensions, tolerances and designation* (MOD)

JIS B 0203 *Taper pipe threads*

NOTE : Corresponding International Standard: ISO 7-1:1994 *Pipe threads where pressure-tight joints are made on the threads—Part 1: Dimensions, tolerances and designation* (MOD)