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Steel butt-welding pipe fittings

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In the event of any doubts arising as to the contents,
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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 Pipe Fittings Association (JPFA)/Japanese Standards Association (JSA) with a draft being attached, based on the provision of Article 12, paragraph (1) of the Industrial Standardization Act applied mutatis mutandis pursuant to the provision of Article 16 of the said Act. This edition replaces the previous edition (**JIS B 2312 : 2015**), which has been technically revised.

However, **JIS B 2312 : 2015** may be applied in the **JIS** mark certification based on the relevant provisions of Article 30, paragraph (1), etc. of the Industrial Standardization Act until 21 January 2025.

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Steel butt-welding pipe fittings

Introduction

This Japanese Industrial Standard has been prepared based on **ISO 3419** : 1981, Edition 2, and **ISO 5251** : 1981, Edition 1, with some modifications of the technical contents.

Annexes JA to JD are unique to **JIS** and not given in the corresponding International Standards. The vertical lines on both sides and dotted underlines indicate changes from the corresponding International Standards. A list of modifications with the explanations is given in Annex JE.

1 Scope

This Standard specifies requirements for steel and nickel-chromium ferro-alloy seamless pipe fittings that are mainly used by being butt-welded to pressure service pipings ¹⁾, high pressure service pipings ²⁾, high temperature service pipings ³⁾, alloy steel pipings ⁴⁾, stainless steel pipings ⁵⁾, low temperature service pipings ⁶⁾ and pipings for fired heaters ⁷⁾ (hereafter referred to as pipe fittings).

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

ISO 3419 : 1981 *Non-alloy and alloy steel butt-welding fittings*

ISO 5251 : 1981 *Stainless steel butt-welding fittings* (Overall evaluation : MOD)

In addition, symbols which denote the degree of correspondence in the contents between the relevant International Standards and **JIS** are IDT (identical), MOD (modified), and NEQ (not equivalent) according to **ISO/IEC Guide 21-1**.

Note ¹⁾ Pipings using carbon steel pipes for pressure service specified in **JIS G 3454**.

Note ²⁾ Pipings using carbon steel pipes for high pressure service specified in **JIS G 3455**.

Note ³⁾ Pipings using carbon steel pipes for high temperature service specified in **JIS G 3456**.

Note ⁴⁾ Pipings using alloy steel pipes specified in **JIS G 3458**.

Note ⁵⁾ Pipings using stainless steel pipes specified in **JIS G 3459**.

Note ⁶⁾ Pipings using steel pipes for low temperature service specified in **JIS G 3460**.

Note ⁷⁾ Pipings using steel tubes for fired heater specified in **JIS G 3467**.