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In the event of any doubts arising as to the contents,  
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## Contents

	Page
Introduction .....	1
1 Scope .....	1
2 Normative references .....	2
3 Terms and definitions .....	3
4 Classification .....	3
5 Materials .....	6
6 Manufacturing method .....	11
7 Chemical composition .....	13
8 Performance .....	13
8.1 Mechanical properties .....	13
8.2 Austenite grain size .....	13
8.3 Pressure resistance .....	13
9 Shape and dimensions .....	14
10 Appearance .....	14
11 Tests .....	15
11.1 Chemical analysis .....	15
11.2 Mechanical properties test .....	15
11.3 Austenite grain size test .....	15
11.4 Pressure resistance test .....	15
12 Inspection .....	15
12.1 Type of inspection and inspection items .....	15
12.2 Chemical analysis .....	16
12.3 Mechanical properties inspection .....	16
12.4 Austenite grain size inspection .....	16
12.5 Pressure resistance inspection .....	16
12.6 Inspection on shape and dimensions .....	16
12.7 Appearance inspection .....	17
13 Designation of products .....	17
14 Marking .....	18
15 Report .....	18
Annex JA (normative) Special quality requirements .....	31
Annex JB (normative) Pipe fittings of special shapes .....	34

Annex JC (informative)	Shapes and dimensions of special bevel ends .....	39
Annex JD (informative)	Marking and report for pipe fittings with special necks .....	41
Annex JE (informative)	Comparison table between <b>JIS</b> and corresponding International Standards .....	43

## 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 2312 : 2009** is replaced with this Standard.

However, **JIS B 2312 : 2009** 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 January 19, 2016.

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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.

# Steel butt-welding pipe fittings

## Introduction

This Japanese Industrial Standard has been prepared based on the second edition of **ISO 3419** published in 1981 and the first edition of **ISO 5251** published in 1981 by modifying some of their specification contents as well as adding contents not given therein.

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

Matters contained in Annexes JA to JD are unique contents of **JIS** that are not given in the corresponding International Standards.

## 1 Scope

This Standard specifies the steel and nickel-chromium ferro-alloy seamless pipe fittings to be fitted by butt-welding, mainly to pressure service pipings<sup>1)</sup>, high pressure service pipings<sup>2)</sup>, high temperature service pipings<sup>3)</sup>, alloy steel pipings<sup>4)</sup>, stainless steel pipings<sup>5)</sup>, low temperature service pipings<sup>6)</sup> and steel pipes for fired heaters<sup>7)</sup> (hereafter referred to as “pipe fittings”).

The special quality requirements, a part of or all of which may be designated by the agreement between the purchaser and the manufacturer, are given in Annex JA and the requirements of special shape pipe fittings are specified in Annex JB. The shapes and dimensions of special bevel ends are shown in Annex JC and marking and report for pipe fittings with special necks are shown in Annex JD for reference.

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)

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

- Notes
- <sup>1)</sup> Pipings using the carbon steel pipes for pressure service specified in **JIS G 3454**.
  - <sup>2)</sup> Pipings using the carbon steel pipes for high pressure service specified in **JIS G 3455**.
  - <sup>3)</sup> Pipings using the carbon steel pipes for high temperature service specified in **JIS G 3456**.