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**Steel butt-welding pipe fittings for
ordinary use**

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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 2311 : 2015**), which has been technically revised.

However, **JIS B 2311 : 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 for ordinary use

1 Scope

This Japanese Industrial Standard specifies requirements for the steel pipe fittings that are used by being butt-welded to ordinary piping¹⁾ carrying steam, water, oil, gas, air, etc. of comparatively low working pressure (hereafter referred to as pipe fittings).

Note¹⁾ Piping using carbon steel pipes for ordinary piping specified in **JIS G 3452** and arc welded carbon steel pipes specified in **JIS G 3457**.

2 Normative references

Part or all of the provisions of the following standards, 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 G 0203 *Glossary of terms used in iron and steel (Products and quality)*

JIS G 0415 *Steel and steel products — Inspection documents*

JIS G 3101 *Rolled steels for general structure*

JIS G 3452 *Carbon steel pipes for ordinary piping*

JIS G 3457 *Arc welded carbon steel pipes*

JIS H 0401 *Test methods for hot dip galvanized coatings*

JIS H 2107 *Zinc ingots*

JIS H 8641 *Hot dip galvanized coatings*

JIS Z 3040 *Method of qualification test for welding procedure*

JIS Z 3801 *Standard qualification test and acceptance requirements for manual welding technique*

JIS Z 3841 *Standard qualification test and acceptance requirements for semi-automatic welding technique*

3 Terms and definitions

For the purpose of this Standard, the terms and definitions given in **JIS B 0151** and **JIS G 0203** apply.

4 Classification

The pipe fittings shall be classified as given in the following according to shape, material and galvanizing.

a) Classification of pipe fittings by shape and their symbols shall be as given in Table