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**JIS G 3443-1** : 2014

(WSP/JSA)

**Coated steel pipes for water  
service—Part 1: Pipes**

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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 Water Steel Pipe Association (WSP)/ 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 G 3443-1:2007** is replaced with this Standard.

However, **JIS G 3443-1:2007** 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 October 19, 2015.

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**JIS G 3443** series consists of the following 4 parts under the general title “*Coated steel pipes for water service*”:

*Part 1: Pipes*

*Part 2: Fittings*

*Part 3: Long-life external plastic coatings*

*Part 4: Internal epoxy coatings*

# Coated steel pipes for water service— Part 1: Pipes

## 1 Scope

This Japanese Industrial Standard specifies the pipes of coated steel pipes used mainly for water works, sewage works, industrial water works and agricultural water works (hereafter referred to as “pipes”). This Standard predominantly applies to the pipes of nominal diameters 80 A (outside diameter 89.1 mm) to 3 000 A (outside diameter 3 048.0 mm).

## 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 G 0202 *Glossary of terms used in iron and steel (Testing)*
- JIS G 0320 *Standard test method for heat analysis of steel products*
- JIS G 0404 *Steel and steel products—General technical and delivery requirements*
- JIS G 0415 *Steel and steel products—Inspection documents*
- JIS G 0582 *Automated ultrasonic examination of steel pipes and tubes*
- JIS G 0583 *Automated eddy current examination of steel pipes and tubes*
- JIS G 0584 *Ultrasonic examination for arc welded steel pipes*
- JIS G 3443-3 *Coated steel pipes for water service—Part 3: Long-life external plastic coatings*
- JIS G 3443-4 *Coated steel pipes for water service—Part 4: Internal epoxy coatings*
- JIS Z 2241 *Metallic materials—Tensile testing—Method of test at room temperature*
- JIS Z 3104 *Methods for radiographic examination for welded joints in steel*
- JIS Z 3121 *Methods of tensile test for butt welded joints*
- JIS Z 8401 *Guide to the rounding of numbers*

## 3 Terms and definitions

For the purposes of this Standard, the terms and definitions given in **JIS G 0202** and the following apply.

### 3.1 coated steel pipe

coated steel pipe whose external surface is coated with long-life plastic coating, etc., and whose internal surface is coated with epoxy coating, etc.

### 3.2 mother pipe

steel pipe yet to be coated or painted