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**Carbon steel pipes for pressure  
service**

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In the event of any doubts arising as to the contents,  
the original JIS is to be the final authority.

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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 The Japan Iron and Steel Federation (JISF) 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 3454:2012** is replaced with this Standard.

However, **JIS G 3454:2012** 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 August 20, 2018.

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# Carbon steel pipes for pressure service

## Introduction

This Japanese Industrial Standard has been prepared based on **ISO 9329-1**:1989, Edition 1, **ISO 9330-1**:1990, Edition 1, with some modifications of the technical contents.

The vertical lines on both sides and dotted underlines indicate changes from the corresponding International Standard. A list of modifications with the explanations is given in Annex JB.

## 1 Scope

This Standard specifies the carbon steel pipes (hereafter referred to as pipes) used for pressure service at temperatures up to about 350 °C. It is not applicable to pipes for high pressure service<sup>1)</sup>. The pipes covered by this Standard are those of outside diameters 10.5 mm (nominal diameter 6A or 1/8B) to 660.4 mm (nominal diameter 650A or 26B).

Supplementary quality requirements that can be specified by the purchaser upon agreement with the manufacturer are provided in Annex JA.

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

ISO 9329-1:1989 *Seamless steel tubes for pressure purposes—Technical delivery conditions—Part 1: Unalloyed steels with specified room temperature properties*

ISO 9330-1:1990 *Welded steel tubes for pressure purposes—Technical delivery conditions—Part 1: Unalloyed steel tubes with specified room temperature properties* (Overall evaluation: 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**.

Note <sup>1)</sup> Pipes for high pressure service are specified in **JIS G 3455**.

## 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 0320 *Standard test method for heat analysis of steel products*

JIS G 0404 *Steel and steel products—General technical 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*