

JIS

JAPANESE
INDUSTRIAL
STANDARD

Translated and Published by
Japanese Standards Association

JIS G 3456 : 2014

(JISF)

**Carbon steel pipes for high temperature
service**

ICS 23.040.10;77.140.75

Reference number : **JIS G 3456 : 2014 (E)**

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G 3456 : 2014

Date of Establishment: 1962-03-01

Date of Revision: 2014-05-20

Date of Public Notice in Official Gazette: 2014-05-20

Investigated by: Japanese Industrial Standards Committee
Standards Board
Technical Committee on Iron and Steel

JIS G 3456 : 2014, First English edition published in 2015-01

Translated and published by: Japanese Standards Association
Mita MT Building, 3-13-12, Mita, Minato-ku, Tokyo, 108-0073 JAPAN

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Printed in Japan

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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 3456:2010** is replaced with this Standard.

However, **JIS G 3456:2010** 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 May 19, 2015.

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Carbon steel pipes for high temperature service

Introduction

This Japanese Industrial Standard has been prepared based on the first editions of **ISO 9329-2** and **ISO 9330-2** published in 1997 with some modifications of the technical contents.

The portions given sidelines or dotted underlines are the matters in which the contents of the corresponding International Standards have been modified. 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 mainly for piping subjected to a temperature over 350 °C. This Standard applies to pipes with an outside diameter of 10.5 mm to 660.4 mm.

With the previous agreement of the manufacturer, the purchaser may designate the special quality requirements given in Annex JA in addition to the requirements specified in the text of this Standard.

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

ISO 9329-2 : 1997 *Seamless steel tubes for pressure purposes — Technical delivery conditions — Part 2 : Unalloyed and alloyed steels with specified elevated temperature properties*

ISO 9330-2 : 1997 *Welded steel tubes for pressure purposes — Technical delivery conditions — Part 2 : Electric resistance and induction welded unalloyed and alloyed steel tubes with specified elevated temperature properties* (overall evaluation : MOD)

The 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**.

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 0321 *Product analysis and its tolerance for wrought steel*

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

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