JAPANESE INDUSTRIAL STANDARD

Translated and Published by
Japanese Standards Association

JIS G 3459 : 2017

(JISF)

Stainless steel pipes

(Amendment 1)

JIS G 3459: 2016 was revised under date of October 20, 2017. This Amendment includes the revised items and is to be used in conjunction with **JIS G 3459:** 2016.

ICS 23.040.10;77.140.20;77.140.75

Reference number : JIS G 3459 : 2017 (E)

Foreword

This translation has been made based on the original Japanese Industrial Standard established by the Minister of Economy, Trade and Industry through deliberations at the Japanese Industrial Standards Committee in accordance with the Industrial Standardization Law.

Consequently **JIS G 3459**: 2016 is partially replaced with this Amendment.

However, **JIS G 3459**: 2016 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, 2018.

Date of Establishment: 1962-03-01

Date of Revision: 2017-10-20

Date of Public Notice in Official Gazette: 2017-10-20

Investigated by: Japanese Industrial Standards Committee
Standards Board for ISO area
Technical Committee on Metal and Inorganic Materials

JIS G 3459 : 2017, First English edition published in 2017-12

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

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

Printed in Japan SW

Stainless steel pipes
(Amendment 1)

Introduction

This amendment is to add the austenitic-ferritic series pipes of SUS821L1TP, SUS323LTP and SUS327L1TP.

JIS G 3459 : 2016 is revised as follows.

Foreword

Replace the description of patent by the following.

It should be noted that being in conformance with this Standard may come under the use of the patent rights held by the following:

Symbol of grade	Title of invention	Patent number	Registration date of establishment of patent right
SUS821L1TP	Low-alloy duplex stainless steel wherein weld heat-affected zones have good corrosion resistance and toughness	No. 5345070	August 23, 2013

The relevant holders of the above-mentioned patent rights have indicated to the Japanese Industrial Standards Committee an intention of granting license to anyone under the nondiscriminatory and reasonable conditions, except to the other relevant holders of the patent rights related to this Standard who will not grant their licenses under the same conditions.

It should be noted that following this Standard does not always refer to granting a free license.

There is the possibility that some parts of this Standard may conflict with patent rights other than mentioned above. 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.

The “patent rights” as mentioned here include patent right, application for a patent after opening to the public or utility model right.

3 Classification and symbols

Replace “Pipe shall be classified into 31 grades.” by “Pipes shall be classified into 34 grades.”.

3 Classification and symbols

In Table 1, add SUS821L1TP, SUS323LTP and SUS327L1TP to the Symbol of grade for austenitic-ferritic series.

4 Manufacturing method

Replace Table 2 by the following.

Table 2 Symbols of grade and heat treatment

Classification	Symbol of grade	Solution heat treatment °C
Austenitic series [a]	SUS304TP	1 010 or over, rapid cooling
	SUS304HTP	1 040 or over, rapid cooling
	SUS304LTP	1 010 or over, rapid cooling
	SUS309TP	1 030 or over, rapid cooling
	SUS309STP	
	SUS310TP	
	SUS310STP	
	SUS315J1TP	1 010 or over, rapid cooling
	SUS315J2TP	
	SUS316TP	
	SUS316HTP	1 040 or over, rapid cooling
	SUS316LTP	1 010 or over, rapid cooling
	SUS316TiTP [b]	920 or over, rapid cooling
	SUS317TP	1 010 or over, rapid cooling
	SUS317LTP	
	SUS836LTP	1 030 or over, rapid cooling
	SUS890LTP	
	SUS321TP [b]	920 or over, rapid cooling

Classification	Symbol of grade	Solution heat treatment °C
Austenitic series [a]	SUS321HTP	Cold finishing 1 095 or over, rapid cooling
		Hot finishing 1 050 or over, rapid cooling
	SUS347TP [b]	980 or over, rapid cooling
	SUS347HTP	Cold finishing 1 095 or over, rapid cooling
		Hot finishing 1 050 or over, rapid cooling
Austenitic-ferritic series	SUS821L1TP	940 or over, rapid cooling
	SUS323LTP	950 or over, rapid cooling
	SUS329J1TP	
	SUS329J3LTP	
	SUS329J4LTP	
	SUS327L1TP	1 025 or over, rapid cooling
Classification	Symbol of grade	Annealing heat treatment °C
Ferritic series	SUS405TP	700 or over, air-cooling or slow cooling
	SUS409LTP	
	SUS430TP	
	SUS430LXTP	
	SUS430J1LTP	720 or over, air-cooling or slow cooling
	SUS436LTP	
	SUS444TP	700 or over, air-cooling or slow cooling

Notes [a] When hot-finished seamless pipes made of austenitic stainless steels are rapidly cooled after hot working at the temperature specified in this table, the solution heat treatment may be omitted unless otherwise specified by the purchaser.

[b] For pipes of SUS316TiTP, SUS321TP and SUS347TP, the purchaser may specify the stabilizing heat treatment. In this case, the temperature of heat treatment shall be 850 °C to 930 °C.