

JAPANESE INDUSTRIAL STANDARD

Translated and Published by Japanese Standards Association

 $JIS \ G \ 3475$: 2021

(JISF)

Carbon steel tubes for building structure

ICS 77.140.75; 91.080.10

Reference number: JIS G 3475: 2021 (E)

G 3475: 2021

Date of Establishment: 1996-10-20

Date of Revision: 2021-05-20

Date of Public Notice in Official Gazette: 2021-05-20

Investigated by: Japanese Industrial Standards Committee

Standards Board for ISO area

Technical Committee on Metal and Inorganic Materials

JIS G 3475: 2021, First English edition published in 2021-12

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.

© JSA 2021

All rights reserved. Unless otherwise specified, no part of this publication may be reproduced or utilized in any form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from the publisher.

Printed in Japan HN

This is a preview. Click here to purchase the full publication.

Contents

	P	age
1	Scope ····	1
2	Normative references ·····	1
3	Terms and definitions ·····	1
4	Symbols of grade ·····	1
5	Manufacturing method ·····	2
6	Chemical composition ·····	2
7	Carbon equivalent or weld crack sensitivity composition ······	3
8 8.1 8.2 8.3 8.4	Mechanical properties Tensile strength, yield point or proof stress, yield ratio and elongation Flattening resistance Tensile strength of weld Charpy absorbed energy	3 3 4 4
9 9.1 9.2	Dimensions, unit mass and dimensional tolerances Dimensions and unit mass Dimensional tolerances	6
10	Appearance ·····1	0
11 11.1 11.2	Tests	1
12 12.1 12.2	Inspection and reinspection 1 Inspection 1 Reinspection 1	.3
13	Marking ·····1	4
14	Report ·····1	.4
Anne	x A (normative) Determination of nitride type nitrogen ················1	.5

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 The Japan Iron and Steel Federation (JISF) 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 G 3475:2016), which has been technically revised.

However, **JIS** G **3475**: 2016 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 19 May 2022.

This **JIS** document is protected by the Copyright Act.

Attention is drawn to the possibility that some parts of this Standard may conflict with patent rights, published patent application or utility model rights. The relevant Minister and the Japanese Industrial Standards Committee are not responsible for identifying any of such patent rights, published patent application or utility model rights.