



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)

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

Contents

	Page
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 Mechanical properties	3
8.1 Tensile strength, yield point or proof stress, yield ratio and elongation	3
8.2 Flattening resistance	4
8.3 Tensile strength of weld	4
8.4 Charpy absorbed energy	4
9 Dimensions, unit mass and dimensional tolerances	6
9.1 Dimensions and unit mass	6
9.2 Dimensional tolerances	9
10 Appearance	10
11 Tests	11
11.1 Chemical analysis	11
11.2 Mechanical tests	11
12 Inspection and reinspection	13
12.1 Inspection	13
12.2 Reinspection	14
13 Marking	14
14 Report	14
Annex A (normative) Determination of nitride type nitrogen	15