

# JIS

JAPANESE  
INDUSTRIAL  
STANDARD

Translated and Published by  
Japanese Standards Association

---

**JIS G 3452** : 2019

(JISF)

**Carbon steel pipes for ordinary  
piping**

---

ICS 23.040.10;77.140.75

**Reference number : JIS G 3452 : 2019 (E)**

This is a preview. [Click here to purchase the full publication.](#)

Date of Establishment: 1962-03-01

Date of Revision: 2019-06-20

Date of Public Notice in Official Gazette: 2019-06-20

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

---

JIS G 3452:2019, First English edition published in 2020-03

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 2020

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

AT

## Contents

	Page
1	Scope ..... 1
2	Normative references ..... 1
3	Symbol of grade ..... 1
4	Manufacturing process ..... 2
5	Chemical composition ..... 3
6	Mechanical properties ..... 3
6.1	Tensile strength and elongation ..... 3
6.2	Flattening property ..... 4
6.3	Bendability ..... 4
7	Uniformity of zinc-coating ..... 4
8	Hydraulic test characteristics or nondestructive test characteristics ..... 4
9	Dimensions, dimensional tolerances and unit mass ..... 5
10	Appearance ..... 7
11	Tests ..... 7
11.1	Chemical analysis ..... 7
11.2	Mechanical tests ..... 7
11.3	Zinc-coating test ..... 9
11.4	Hydraulic test or nondestructive test ..... 9
12	Inspection and reinspection ..... 10
12.1	Inspection ..... 10
12.2	Reinspection ..... 10
13	Marking ..... 10
14	Report ..... 11

## 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 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 3452:2016** is replaced with this Standard.

However, **JIS G 3452:2016** 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 June 19, 2020.

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

Attention is drawn to the possibility that some parts of this Standard may conflict with patent rights, applications for a patent after opening to the public or utility model rights. 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.