



JAPANESE  
INDUSTRIAL  
STANDARD

Translated and Published by  
Japanese Standards Association

---

**JIS G 3141 : 2017**  
(JISF)

**Cold-reduced carbon steel sheet  
and strip**

---

**ICS 77.140.50**

**Reference number : JIS G 3141 : 2017 (E)**

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

Date of Establishment: 1969-02-01

Date of Revision: 2017-03-21

Date of Public Notice in Official Gazette: 2017-03-21

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

---

JIS G 3141:2017, First English edition published in 2017-06

---

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 2017

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

HT/AT

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

## Contents

	Page
Introduction.....	1
1 Scope .....	1
2 Normative references .....	1
3 Classification and symbol .....	2
3.1 Symbol of grade and applicable thickness .....	2
3.2 Temper grade and application of specification .....	2
3.3 Surface finish .....	3
4 Chemical composition .....	3
5 Mechanical properties .....	3
5.1 Tensile strength and elongation.....	3
5.2 Ageing property .....	4
5.3 Average plastic strain ratio .....	4
5.4 Hardness .....	5
5.5 Bendability .....	8
6 Expression of dimensions .....	9
7 Standard thickness .....	9
8 Dimensional tolerances .....	9
8.1 Measuring positions of dimensions .....	9
8.2 Tolerances on thickness .....	9
8.3 Tolerances on width .....	10
8.4 Tolerances on length .....	11
9 Shape .....	12
9.1 Flatness .....	12
9.2 Camber .....	13
9.3 Squareness .....	14
10 Mass .....	14
10.1 Mass of steel sheet .....	14
10.2 Mass of steel strip .....	15
11 Oiling .....	15
12 Appearance .....	15
13 Tests .....	16
13.1 Chemical analysis .....	16
13.2 Mechanical tests .....	16

14	Inspection and reinspection .....	18
14.1	Inspection .....	18
14.2	Reinspection .....	18
15	Marking .....	18
16	Items to be confirmed at the time of order .....	19
17	Report .....	19
Annex JA (normative)	Tensile strength and elongation as agreed between purchaser and manufacturer .....	20
Annex JB (informative)	Mechanical properties as agreed between purchaser and manufacturer .....	21
Annex JC (informative)	Comparison table between JIS and corresponding International Standard .....	22

## 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 3141**:2011 is replaced with this Standard.

However, **JIS G 3141**:2011 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 March 20, 2018.

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.