

JIS

JAPANESE
INDUSTRIAL
STANDARD

Translated and Published by
Japanese Standards Association

JIS G 4304 : 2021

(JSSA/JSA)

**Hot-rolled stainless steel plate, sheet and
strip**

ICS 77.140.20 ; 77.140.50

Reference number : JIS G 4304 : 2021 (E)

G 4304 : 2021

Date of Establishment: 1959-12-01

Date of Revision: 2021-03-22

Date of Public Notice in Official Gazette: 2021-03-22

Investigated by: Japanese Industrial Standards Committee

Standards Board for ISO area

Technical Committee on Metal and Inorganic Materials

JIS G4304 : 2021, First English edition published in 2021-11

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

PROTECTED BY COPYRIGHT

Contents

| | Page |
|--|------|
| Introduction | 1 |
| 1 Scope | 1 |
| 2 Normative references | 1 |
| 3 Symbols of grade | 2 |
| 4 Manufacturing method | 3 |
| 5 Chemical composition | 3 |
| 5.1 Heat analysis values | 3 |
| 5.2 Product analysis values | 3 |
| 6 Mechanical properties | 9 |
| 6.1 General | 9 |
| 6.2 Mechanical properties of austenitic series | 9 |
| 6.3 Mechanical properties of austenitic-ferritic series | 11 |
| 6.4 Mechanical properties of ferritic series | 11 |
| 6.5 Mechanical properties of martensitic series | 12 |
| 6.6 Mechanical properties of precipitation hardening series | 13 |
| 7 Corrosion resistance | 15 |
| 8 Surface finish | 15 |
| 9 Shape, dimensions, mass and tolerances | 16 |
| 9.1 Standard dimensions | 16 |
| 9.2 Theoretical mass of plates | 16 |
| 9.3 Dimensional tolerances and shape | 17 |
| 10 Appearance | 28 |
| 11 Tests | 28 |
| 11.1 Chemical analysis | 28 |
| 11.2 Mechanical tests | 28 |
| 11.3 Corrosion test | 29 |
| 12 Inspection | 30 |
| 13 Marking | 30 |
| 14 Report | 30 |
| Annex JA (informative) Example of heat treatment conditions for stainless steels | 31 |
| Annex JB (informative) Comparison table between JIS and corresponding International Standards | 34 |