



JAPANESE
INDUSTRIAL
STANDARD

Translated and Published by
Japanese Standards Association

JIS G 3191 : 2002

(JISF/JSA)

**Dimensions, mass and permissible
variations of hot rolled steel bars
and bar in coil**

ICS 77.140.60

Reference number : JIS G 3191 : 2002 (E)

 **Documents**
Document Sharing Hub

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)/the Japanese Standards Association (JSA) with the draft being attached, based on the provision of Article 12 Clause 1 of the Industrial Standardization Law. Consequently **JIS G 3191 : 1966** is replaced with this Standard.

Date of Establishment: 1954-07-30

Date of Revision: 2002-01-20

Date of Public Notice in Official Gazette: 2002-01-21

Investigated by: Japanese Industrial Standards Committee

Standards Board

Technical Committee on Iron and Steel

JIS G 3191 : 2002, First English edition published in 2002-05

Translated and published by: Japanese Standards Association
4-1-24, Akasaka, Minato-ku, Tokyo, 107-8440 JAPAN

In the event of any doubts arising as to the contents,
the original JIS is to be the final authority.

© JSA 2002

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

Dimensions, mass and permissible variations of hot rolled steel bars and bar in coil

1 Scope This Standard specifies dimensions, mass and tolerances thereon as well as appearance, shape, and allowable limits thereto of steel bars and bar in coil which are manufactured by hot rolling.

In addition, the application of this Standard shall be stated in respective product standards.

2 Normative reference The following standard contains provisions which, through reference in this Standard, constitute provisions of this Standard. The most recent edition of the standard (including amendments) indicated below shall be applied.

JIS Z 8401 *Guide to the rounding of numbers*

3 Definitions For the purposes of this Standard, the following definitions shall apply.

3.1 steel bars The steel which is hot rolled into a bar form and supplied by being cut into a prescribed length. There are types of round bars, square bars and hexagonal bars.

3.1.1 round bars The steel which is rolled into a bar form and of which cross sectional shape is round.

3.1.2 square bars The steel which is rolled into a bar form and of which cross sectional shape is square. It also includes a type of steel with the corner of cross sectional shape rounded.

3.1.3 hexagonal bars The steel which is rolled into a bar form and of which cross sectional shape is hexagonal.

3.2 bar in coil The steel which is hot rolled into a bar form and supplied by being wound into a coil shape.

4 Expression of dimensions The expression of dimensions shall be as follows.

4.1 The dimensions of steel bars shall be expressed in millimeters for diameter, side or width across flats and in meters for length.

4.2 The dimension of bar in coil shall be expressed in millimeters for diameter, side or width across flats.

5 Standard dimensions The standard dimensions shall be as follows.

5.1 The standard diameter of round bar (including bar in coil) shall be in accordance with Table 1.