



JAPANESE
INDUSTRIAL
STANDARD

Translated and Published by
Japanese Standards Association

JIS C 2550-2 : 2011

(JEMA/JSA)

**Test methods for electrical steel strip
and sheet — Part 2: Methods of
determination of the geometrical
characteristics of electrical steel strip
and sheet**

ICS 17.220.01;29.030;77.140.50

Reference number : JIS C 2550-2 : 2011 (E)

PROTECTED BY COPYRIGHT



Documents

Document Sharing Hub

8 S

Date of Establishment: 2011-09-20

Date of Public Notice in Official Gazette: 2011-09-20

Investigated by: Japanese Industrial Standards Committee

Standards Board

Technical Committee on Iron and Steel

JIS C 2550-2 : 2011, First English edition published in 2013-08

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 2013

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

PROTECTED BY COPYRIGHT

Licensee=Hong Kong Polytechnic University/9976803100
Not for Resale, 07/25/2014 03:38:40 MDT

Contents

	Page
Introduction	1
1 Scope	1
2 Normative references	1
3 Terms and definitions	2
4 Measuring method	2
4.1 Flatness	2
4.2 Residual curvature	3
4.3 Edge camber	4
4.4 Deviation from shearing line due to internal stresses	4
4.5 Burr height of cut edge	5
Annex JA (informative) Comparison table between JIS and the corresponding International Standard	8

Foreword

This translation has been made based on the original Japanese Industrial Standard established by the Minister of Economy, Trade and Industry through deliberations at the Japanese Industrial Standards Committee according to the proposal for establishment of Japanese Industrial Standard submitted by The Japan Electrical Manufacturers' Association (JEMA)/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Consequently **JIS C 2550 : 2000** has been withdrawn and partially replaced with this Standard.

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

Attention is drawn to the possibility that some parts of this Standard may conflict with a patent right, application for a patent after opening to the public or the utility model right. The relevant Minister and the Japanese Industrial Standards Committee are not responsible for identifying the patent right, application for a patent after opening to the public or the utility model right.

JIS C 2550 series consists of the following 5 parts under the general title “*Test methods for electrical steel strip and sheet*”:

- Part 1: Methods of measurement of the magnetic properties of electrical steel strip and sheet by means of an Epstein frame*
- Part 2: Methods of determination of the geometrical characteristics of electrical steel strip and sheet*
- Part 3: Methods of measurement of the magnetic properties of electrical steel strip and sheet at medium frequencies*
- Part 4: Methods of test for the determination of surface insulation resistance of electrical strip and sheet*
- Part 5: Methods of measurement of density, resistivity and stacking factor of electrical strip and sheet*

Test methods for electrical steel strip and sheet — Part 2 : Methods of determination of the geometrical characteristics of electrical steel strip and sheet

Introduction

This Japanese Industrial Standard has been prepared based on the first edition of IEC 60404-9 published in 1987 with some modifications of the technical contents in order to harmonize with the technology commonly used in Japan.

The portions given sidelines or dotted underlines are the matters in which the contents of the corresponding International Standard have been modified. A list of modifications with the explanations is given in Annex JA.

1 Scope

This Standard specifies the test methods for the determination of the following geometrical characteristics of electrical steel strip and sheet.

- Flatness
- Residual curvature
- Edge camber
- Deviation from shearing line due to internal stresses
- Burr height of cut edge

This Standard applies to the electrical steel strip and sheet corresponding to JIS C 2552, JIS C 2553 and B.2, C.21 and C.22 of IEC 60404-1 : 2000.

NOTE : The International Standard corresponding to this Standard and the symbol of degree of correspondence are as follows.

IEC 60404-9 : 1987 *Magnetic materials. Part 9 : Methods of determination of the geometrical characteristics of magnetic steel sheet and strip* (MOD)

In addition, symbols which denote the degree of correspondence in the contents between the relevant International Standard and JIS are IDT (identical), MOD (modified), and NEQ (not equivalent) according to ISO/IEC Guide 21-1.

2 Normative references

The following standards contain provisions which, through reference in this text, constitute provisions of this Standard. For standards with the year indication, only the editions of the indicated year shall be applied and the revisions (including amendments) made thereafter shall not be applied. For those without the indication of the year, the most recent edition (including amendments) shall be applied.