



NSAI
Standards

Irish Standard
I.S. EN ISO 9445-1:2010

Continuously cold-rolled stainless steel -
Tolerances on dimensions and form - Part
1: Narrow strip and cut lengths (ISO 9445
-1:2009)

I.S. EN ISO 9445-1:2010

Incorporating amendments/corrigenda/National Annexes issued since publication:

The National Standards Authority of Ireland (NSAI) produces the following categories of formal documents:

I.S. xxx: Irish Standard – national specification based on the consensus of an expert panel and subject to public consultation.

S.R. xxx: Standard Recommendation - recommendation based on the consensus of an expert panel and subject to public consultation.

SWiFT xxx: A rapidly developed recommendatory document based on the consensus of the participants of an NSAI workshop.

<p><i>This document replaces:</i> EN ISO 9445:2006</p>	<p><i>This document is based on:</i> EN ISO 9445-1:2010 EN ISO 9445:2006</p>	<p><i>Published:</i> 3 March, 2010 1 March, 2006</p>			
<p>This document was published under the authority of the NSAI and comes into effect on: 31 March, 2010</p>		<p>ICS number: 77.140.20 77.140.50</p>			
<table> <tr> <td data-bbox="228 1738 555 1861"> <p>NSAI 1 Swift Square, Northwood, Santry Dublin 9</p> </td> <td data-bbox="571 1767 826 1890"> <p>T +353 1 807 3800 F +353 1 807 3838 E standards@nsai.ie W NSAI.ie</p> </td> <td data-bbox="898 1738 1129 1861"> <p>Sales: T +353 1 857 6730 F +353 1 857 6729 W standards.ie</p> </td> </tr> </table>			<p>NSAI 1 Swift Square, Northwood, Santry Dublin 9</p>	<p>T +353 1 807 3800 F +353 1 807 3838 E standards@nsai.ie W NSAI.ie</p>	<p>Sales: T +353 1 857 6730 F +353 1 857 6729 W standards.ie</p>
<p>NSAI 1 Swift Square, Northwood, Santry Dublin 9</p>	<p>T +353 1 807 3800 F +353 1 807 3838 E standards@nsai.ie W NSAI.ie</p>	<p>Sales: T +353 1 857 6730 F +353 1 857 6729 W standards.ie</p>			
<p>Údarás um Chaighdeáin Náisiúnta na hÉireann</p>					

English Version

Continuously cold-rolled stainless steel - Tolerances on
dimensions and form - Part 1: Narrow strip and cut lengths (ISO
9445-1:2009)

Acier inoxydable laminé à froid en continu - Tolérances sur
les dimensions et la forme - Partie 1: Bandes étroites et
feuillards coupés à longueur (ISO 9445-1:2009)

Kontinuierlich kaltgewalzter nichtrostender Stahl -
Grenzabmaße und Formtoleranzen - Teil 1: Kaltband und
Kaltband in Stäben (ISO 9445-1:2009)

This European Standard was approved by CEN on 7 February 2010.

CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration. Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the CEN Management Centre or to any CEN member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the CEN Management Centre has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and United Kingdom.



EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

Management Centre: Avenue Marnix 17, B-1000 Brussels

Contents

Page

Foreword.....3

Foreword

The text of ISO 9445-1:2009 has been prepared by Technical Committee ISO/TC 17 “Steel” of the International Organization for Standardization (ISO) and has been taken over as EN ISO 9445-1:2010 by Technical Committee ECISS/TC 105 “Steels for heat treatment, alloy steels, free-cutting steels and stainless steels” the secretariat of which is held by DIN.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by September 2010, and conflicting national standards shall be withdrawn at the latest by September 2010.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN [and/or CENELEC] shall not be held responsible for identifying any or all such patent rights.

This document supersedes EN ISO 9445:2006.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and the United Kingdom.

Endorsement notice

The text of ISO 9445-1:2009 has been approved by CEN as a EN ISO 9445-1:2010 without any modification.

This page is intentionally left BLANK.

I.S. EN ISO 9445-1:2010
**INTERNATIONAL
STANDARD**

**ISO
9445-1**

First edition
2009-03-01

**Continuously cold-rolled stainless
steel — Tolerances on dimensions and
form —**

Part 1:
Narrow strip and cut lengths

*Acier inoxydable laminé à froid en continu — Tolérances sur les
dimensions et la forme —*

Partie 1: Bandes étroites et feuillets coupés à longueur



Reference number
ISO 9445-1:2009(E)

© ISO 2009

PDF disclaimer

This PDF file may contain embedded typefaces. In accordance with Adobe's licensing policy, this file may be printed or viewed but shall not be edited unless the typefaces which are embedded are licensed to and installed on the computer performing the editing. In downloading this file, parties accept therein the responsibility of not infringing Adobe's licensing policy. The ISO Central Secretariat accepts no liability in this area.

Adobe is a trademark of Adobe Systems Incorporated.

Details of the software products used to create this PDF file can be found in the General Info relative to the file; the PDF-creation parameters were optimized for printing. Every care has been taken to ensure that the file is suitable for use by ISO member bodies. In the unlikely event that a problem relating to it is found, please inform the Central Secretariat at the address given below.



COPYRIGHT PROTECTED DOCUMENT

© ISO 2009

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 either ISO at the address below or ISO's member body in the country of the requester.

ISO copyright office
Case postale 56 • CH-1211 Geneva 20
Tel. + 41 22 749 01 11
Fax + 41 22 749 09 47
E-mail copyright@iso.org
Web www.iso.org

Published in Switzerland

Contents

Page

Foreword.....	iv
1 Scope	1
2 Normative references	1
3 Terms and definitions.....	1
4 Information to be supplied by the purchaser	1
5 Type of delivery and delivery conditions	2
6 Tolerances on thickness for cold-rolled narrow strip and products obtained from cold-rolled narrow strip	3
7 Tolerances on width for cold-rolled narrow strip and products obtained from cold-rolled narrow strip	4
8 Preferred coil inner diameters for cold-rolled narrow strip	4
9 Tolerances on length for cut lengths obtained from cold-rolled narrow strip	4
10 Tolerances on edge camber for cold-rolled narrow strip and cut lengths obtained from cold-rolled narrow strip.....	5
11 Tolerances on squareness for cut lengths obtained from cold-rolled narrow strip.....	5
12 Tolerances on flatness for cut lengths obtained from cold-rolled narrow strip	5
13 Edge waviness tolerances for cold-rolled strip	5
14 Form of coils	6
15 Ordered format for cut lengths.....	6
16 Measurement of thickness for cold-rolled narrow strip and cut lengths obtained from cold-rolled narrow strip.....	6
17 Measurement of width.....	6
18 Measurement of length.....	6
19 Measurement of edge camber	6
20 Measurement of squareness	7
21 Measurement of flatness and waviness	8

Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 2.

The main task of technical committees is to prepare International Standards. Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights.

ISO 9445-1 was prepared by Technical Committee ISO/TC 17, *Steel*, Subcommittee SC 4, *Heat treatable and alloy steels*.

This first edition of ISO 9445-1, together with ISO 9445-2, cancels and replaces ISO 9445:2002, the contents of which have been technically revised and separated into two parts.

ISO 9445 consists of the following parts, under the general title *Continuously cold-rolled stainless steel — Tolerances on dimensions and form*:

- *Part 1: Narrow strip and cut lengths*
- *Part 2: Wide strip and plate/sheet*

Continuously cold-rolled stainless steel — Tolerances on dimensions and form —

Part 1: Narrow strip and cut lengths

1 Scope

This part of ISO 9445 specifies the tolerances on dimensions and form for continuously cold-rolled stainless steel narrow strip, in thicknesses of up to and including 3 mm and in rolling widths of less than 600 mm. It also applies to cut lengths taken from such strip.

Narrow strip and cut lengths with widths of less than 600 mm, which are manufactured from wide strip by longitudinal slitting, are covered in ISO 9445-2.

2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 6929, *Steel products — Definitions and classification*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in ISO 6929 apply.

4 Information to be supplied by the purchaser

4.1 It shall be the responsibility of the purchaser to specify all requirements that are necessary for products under this specification. Such requirements to be considered include, in the order listed, but are not limited to, the following:

- a) the type of delivery [see 5.2 a) and 5.2 b)];
- b) the number of this International Standard, i.e. ISO 9445-1;
- c) the thickness in millimetres (if necessary accurate to two decimal places) and, if required, including the relevant code letter (F or P) for a fine or precision tolerance;
- d) the width in millimetres and, if required, including the relevant code letter (F or P) for a fine or precision tolerance;
- e) the code letter R where a restricted tolerance on edge camber is required;

This is a free preview. Purchase the entire publication at the link below:

[Product Page](#)

-
- [Looking for additional Standards? Visit Intertek Inform Infostore](#)
 - [Learn about LexConnect, All Jurisdictions, Standards referenced in Australian legislation](#)
-