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National Standards Authority of Ireland

IRISH STANDARD

I.S. EN 10131:2006

ICS 77.140.50

COLD ROLLED UNCOATED AND ZINC OR ZINC-NICKEL ELECTROLYTICALLY COATED LOW CARBON AND HIGH YIELD STRENGTH STEEL FLAT PRODUCTS FOR COLD FORMING - TOLERANCES ON DIMENSIONS AND SHAPE

National Standards
Authority of Ireland
Glasnevin, Dublin 9
Ireland

Tel: +353 1 807 3800
Fax: +353 1 807 3838
http://www.nsai.ie

Sales
http://www.standards.ie

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EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

EN 10131

July 2006

ICS 77.140.50

Supersedes EN 10131:1991

English Version

Cold rolled uncoated and zinc or zinc-nickel electrolytically coated low carbon and high yield strength steel flat products for cold forming - Tolerances on dimensions and shape

Produits plats laminés à froid, non revêtus ou revêtus de zinc ou de zinc-nickel par voie électrolytique, en acier à bas carbone et en acier à haute limite d'élasticité pour formage à froid - Tolérances sur les dimensions et sur la forme

Kaltgewalzte Flacherzeugnisse ohne Überzug und mit elektrolytischem Zink- oder Zink-Nickel-Überzug aus weichen Stählen sowie aus Stählen mit höherer Streckgrenze zum Kaltumformen - Grenzabmaße und Formtoleranzen

This European Standard was approved by CEN on 12 June 2006.

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 Central Secretariat 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 Central Secretariat has the same status as the official versions.

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Foreword

This document (EN 10131:2006) has been prepared by Technical Committee ECISS/TC 13 “Flat products for cold working - Qualities, dimensions, tolerances and specific tests”, the secretariat of which is held by IBN.

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of an identical text or by endorsement, at the latest by January 2007, and conflicting national standards shall be withdrawn at the latest by January 2007.

This document supersedes EN 10131:1991.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, 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.

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1 Scope

This European Standard applies to cold rolled uncoated and electrolytically zinc or zinc-nickel coated low carbon and high yield strength steel flat products for cold forming with a minimum thickness of 0,35 mm and, unless otherwise agreed at the time of ordering, less than or equal to 3 mm thick, delivered in sheet, wide strip, slit wide strip or cut lengths obtained from slit wide strip or sheet. The concerned standards are EN 10130, EN 10152, EN 10271, EN 10209, EN 10268 prEN 10336 and prEN 10338.

It does not apply to cold rolled strip (rolled width < 600 mm) or to flat cold rolled products for which there is a specific standard, in particular the following:

— cold rolled non-grain oriented magnetic steel sheet and strip (EN 10106);

— cold rolled electrical non-alloy and alloy steel sheet and strip delivered in the semi-processed state (EN 10341);

— tinplate and ECCS (EN 10202);

— blackplate in coils (EN 10205);

— cold rolled uncoated non-alloy mild steel narrow strip for cold forming (EN 10139).

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.

EN 10079:1992, *Definition of steel products*

3 Terms and definitions

For the purposes of this European Standard, the terms and definitions given in EN 10079:1992 and the following apply.

3.1
nominal thickness
whole specified thickness of the coated or uncoated product

NOTE In the case of coated products, it includes both substrate and coating.

4 Designation

4.1 Products conforming to this European standard shall be designated in the following order (see also clause 5):

a) type of product (sheet, wide strip, slit wide strip or cut length);

b) reference to this European Standard (EN 10131);

c) nominal thickness in millimetres;

d) letter S for products ordered with special tolerances on thickness;

e) nominal width in millimetres;

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