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COLD ROLLED LOW CARBON STEEL FLAT PRODUCTS FOR COLD FORMING - TECHNICAL DELIVERY CONDITIONS

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EUROPEAN STANDARD

NORME EUROPÉENNE

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English Version

Cold rolled low carbon steel flat products for cold forming - Technical delivery conditions

Produits plats laminés à froid, en acier à bas carbone pour formage à froid - Conditions techniques de livraison

Kaltgewalzte Flacherzeugnisse aus weichen Stählen zum Kaltumformen - Technische Lieferbedingungen

This European Standard was approved by CEN on 28 October 2006.

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Contents

Page

Foreword 3
1 Scope 4
2 Normative references 4
3 Terms and definitions 5
4 Designation 5
5 Requirements 5
5.1 Steelmaking and manufacturing processes 5
5.2 Deoxidation 5
5.3 Chemical composition 5
5.4 Delivery conditions 6
5.5 Mechanical properties 6
5.6 Surface characteristics 6
5.6.1 General 6
5.6.2 Surface quality 6
5.6.3 Surface finish 7
5.7 Stretcher strain marks 7
5.7.1 General 7
5.7.2 Skin-passed products 8
5.7.3 Non-skin-passed products 8
5.8 Suitability for surface coating 8
5.9 Weldability 8
5.10 Tolerances on dimensions and shape 8
6 Tests 8
6.1 General 8
6.2 Inspection units 8
6.3 Number of tests 8
6.4 Sampling 8
6.5 Test methods 9
6.6 Re-tests 9
6.7 Inspection document 9
7 Marking 9
8 Packing 9
9 Disputes 9
10 Information to be provided by the purchaser at the time of enquiry and order 10
Bibliography 12

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Foreword

This document (EN 10130:2006) 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/BIN.

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of an identical text or by endorsement, at the latest by June 2007, and conflicting national standards shall be withdrawn at the latest by June 2007.

This document supersedes EN 10130:1991 + A1:1998.

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 low carbon steel flat products in rolled widths equal to or over 600 mm for cold forming, with a minimum thickness of 0,35 mm and, unless otherwise agreed at the time of inquiry and order, equal to or less than 3 mm, delivered in sheet, coil, slit coil, or cut lengths obtained from slit coil or sheet.

It does not apply to cold rolled narrow strip (rolling width < 600 mm) nor 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);

— semi-processed steel strip for the construction of magnetic circuits (EN 10126 and EN 10165);

— blackplate in coils (EN 10205);

— cold rolled flat products in high yield strength steels for cold forming (EN 10268);

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

— cold rolled low carbon steel flat products for vitreous enamelling (EN 10209).

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 10002-1, *Metallic materials – Tensile testing – Part 1: Method of test at ambient temperature*

EN 10020, *Definition and classification of grades of steel*

EN 10021, *General technical delivery requirements for steel and iron products*

EN 10027-1, *Designation systems for steels – Part 1: Steel names*

EN 10027-2, *Designation systems for steels – Part 2: Numerical system*

EN 10049, *Measurement of roughness average Ra and peak count RPc on metallic flat products*

EN 10079:1992, *Definition of steel products*

EN 10131, *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*

EN 10204, *Metallic products – Types of inspection documents*

EN ISO 377, *Steel and steel products – Location and preparation of samples and test pieces for mechanical testing (ISO 377:1997)*

EN ISO 14284, *Steel and iron – Sampling and preparation of samples for the determination of chemical composition (ISO 14284:1996)*

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