



SLOVENSKI STANDARD SIST EN 10132-1:2000

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Cold rolled narrow steel strip for heat treatment - Technical delivery conditions - Part 1:
General

Kaltband aus Stahl für eine Wärmebehandlung - Technische Lieferbedingungen - Teil 1:
Allgemeines

Feuillards laminés a froid pour traitement thermique - Conditions techniques de livraison
- Partie 1: Généralités

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Ta slovenski standard je istoveten z: EN 10132-1:2000

ICS:

77.140.10	Jekla za toplotno obdelavo	Heat-treatable steels
77.140.50	Ú[z aã\ ^} ãã á^ \ ãã][ã á^ \ ãã	Flat steel products and semi-products

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en

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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN 10132-1

February 2000

ICS 77.140.10; 77.140.50

English version

Cold rolled narrow steel strip for heat treatment - Technical delivery conditions - Part 1: General

Feuillards laminés à froid pour traitement thermique -
Conditions techniques de livraison - Partie 1: Généralités

Kaltband aus Stahl für eine Wärmebehandlung -
Technische Lieferbedingungen - Teil 1: Allgemeines

This European Standard was approved by CEN on 3 January 2000.

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.

CEN members are the national standards bodies of Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.

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

Central Secretariat: rue de Stassart, 36 B-1050 Brussels

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Foreword

This European Standard has been prepared by Technical Committee ECISS/TC 23 "Steels for heat treatment, alloy steels and free-cutting steels - Qualities and dimensions", 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 August 2000, and conflicting national standards shall be withdrawn at the latest by August 2000.

This European Standard has been prepared under a mandate given to CEN by the European Commission and the European Free Trade Association. This European Standard is considered to be a supporting standard to those application and product standards which in themselves support an essential safety requirement of a New Approach Directive and which make reference to this European Standard.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and the United Kingdom.

The European Standard EN 10132 "Cold rolled narrow steel strip for heat-treatment - Technical delivery conditions" is subdivided as follows:

- Part 1: General;
- Part 2: Case hardening steels;
- Part 3: Steels for quenching and tempering;
- Part 4: Spring steels and other special applications.

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1 Scope

1.1 This part of EN 10132 specifies the general technical delivery conditions for non alloy and alloy cold rolled narrow steel strip in rolling widths < 600 mm for heat treatment.

1.2 In special cases supplementary requirements or deviations with respect to this European Standard may be agreed between the purchaser and the supplier at the time of enquiry and order (see annex A).

1.3 In addition to the requirements of this standard, the general technical delivery requirements specified in EN 10021 apply.

2 Normative references

This European Standard incorporates by dated or undated reference, provisions from other publications. These normative references are cited at the appropriate places in the text and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this European Standard only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies.

CR 10260, *Designation systems for steel - Additional symbols*

CR 10261, *ECISS/IC 11 - Iron and steel - Review of available methods of chemical analysis*

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 steel - Part 1: Steel names, principal symbols*

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

EN 10052, *Vocabulary of heat treatment terms for ferrous products*

EN 10079, *Definition of steel products*

EN 10109-1, *Metallic materials - Hardness test - Part 1: Rockwell test (scales A, B, C, D, E, F, G, H, K) and Rockwell superficial test (scales 15N, 30N, 45N, 15T, 30T and 45T)*

EN 10132-2, *Cold rolled narrow steel strip - Technical delivery conditions Part 2: Case hardening steels*

EN 10132-3, *Cold rolled narrow steel strip - Technical delivery conditions Part 3: Steel for quenching and tempering*

EN 10132-4, *Cold rolled narrow steel strip - Technical delivery conditions Part 4: Spring steels and other special applications*

EN 10140, *Cold rolled narrow steel strip - Tolerances on dimensions and shape*

EN 10204, *Metallic products - Types of inspection documents (includes amendment A1:1995)*

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

EN ISO 6507-1, *Metallic materials - Vickers hardness test - Part 1: Test method (ISO 6507-1:1997)*

EURONORM 103¹⁾, *Microscopic determination of the ferritic or austenitic grain size of steels*

ISO 14284, *Steel and iron - Sampling and preparation of samples for the determination of chemical composition*

3 Terms and definitions

For the purposes of this Standard the following term and definition apply in addition to the terms and definitions in EN 10020, EN 10021, EN 10052, EN 10079, EN ISO 377 and ISO 14284:

3.1

Production lot

products from the same cast, with the same thickness and the same heat-treatment cycle

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1)

It may be agreed at the time of ordering, until this EURONORM has been adopted as a European Standard, that either this EURONORM or a corresponding national standard should be applied.

4 Classification and designation

4.1 Classification

The classification of the relevant steel grades according to EN 10020 is indicated in EN 10132-2, EN 10132-3 and EN 10132-4.

4.2 Designation

4.2.1 Steel names

For the steel grades covered by this European Standard, the steel names as given in the relevant tables of EN 10132-2, EN 10132-3 and EN 10132-4 are allocated in accordance with EN 10027-1 and CR 10260.

4.2.2 Steel numbers

For the steel grades covered by this European Standard, the steel numbers as given in the relevant tables of EN 10132-2, EN 10132-3 and EN 10132-4 are allocated in accordance with EN 10027-2.

5 Information to be supplied by the purchaser

5.1 Mandatory information

The following information shall be supplied by the purchaser at the time of enquiry and order to enable the supplier to comply with the requirements of this European Standard:

- a) the quantity to be delivered;
- b) the designation of the product form (cold rolled narrow strip);
- c) the number of the dimensional standard (EN 10140);
- d) the dimensions and tolerances on dimensions and shape and, if applicable, letters denoting relevant special tolerances;
- e) the number of this European Standard including the number of the relevant part;
- f) steel name or steel number (see 4.2);
- g) the delivery condition (see 7.3);
- h) if required, the type of inspection document in accordance with EN 10204.

EXAMPLE 5 tons of cold rolled narrow strip EN 10140 - 1,50x200GK
EN 10132-2 - 16MnCr5+A
EN 10204 - 2.2

or

5 tons of cold rolled narrow strip EN 10140 - 1,50x200GK
EN 10132-2 - 1.7131+A
EN 10204 - 2.2

5.2 Options

A number of options are specified in this European Standard and listed below. If the purchaser does not indicate his wish to implement one of these options, the supplier shall act in accordance with the basis specification of this European Standard (see 5.1):

- a) any requirement on surface condition;
- b) any requirement concerning type of edges;
- c) any special requirement concerning bend test (see 7.5);
- d) any special requirement relating to grain size (see 7.6.1 and A.2);
- e) any requirement concerning non-metallic inclusions (see 7.6.2 and A.3);
- f) any requirement concerning surface roughness (see 7.7);
- g) any requirement on labelling (see clause 11);
- h) any special requirement on marking (see clause 11);
- i) any requirement on dimensions and weight of coils (see clause 11);
- j) any requirement on the method of packaging (see clause 11);
- k) any requirement concerning protection during transport and handling (see clause 11);
- l) any requirement concerning bar coding (see clause 11);

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