

SLOVENSKI STANDARD SIST EN 10120:1997

01-december-1997

Jeklene pločevine in trakovi za plinske jeklenke

Steel sheet and strip for welded gas cylinders

Stahlblech und -band für geschweißte Gasflaschen

Tôles et bandes pour bouteilles a gaz soudées en acier EVIEW

Ta slovenski standard je istoveten z: EN 10120:1996

SIST EN 10120:1997

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ICS:

77.140.50 Ploščati jekleni izdelki in

polizdelki

Flat steel products and semi-

products

SIST EN 10120:1997 en

SIST EN 10120:1997

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EUROPEAN STANDARD

EN 10120

NORME EUROPÉENNE

EUROPÄISCHE NORM

December 1996

ICS 77.140.50

Descriptors:

flat product, plate, strip, steel strips, gas cylinders, steels, grades:quality, chemical composition, mechanical properties, delivery condition, inspection, tests, tension tests, marking

English version

Steel sheet and strip for welded gas cylinders

Tôles et bandes pour bouteilles à gaz soudées DARD PRE stahlblech en acier (standards.iteh.ai) und -band für geschweißte

<u>SIST EN 10120:1997</u> https://standards.iteh.ai/catalog/standards/sist/dd9c77ab-6a51-436a-bcf5-33e2caaa228c/sist-en-10120-1997

This European Standard was approved by CEN on 1996-11-14. 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.

The European Standards exist 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, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.

CEN

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 22 "Steels for pressure purposes - Qualities", the secretariat of which is held by DIN.

Annex A contains national A-deviations specifying the restrictions for the application of this European Standard in Sweden.

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 1997, and conflicting national standards shall be withdrawn at the latest by June 1997.

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

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1 Scope

- This European Standard specifies requirements for hot-rolled sheet and strip up to 5 mm thickness made of steels listed in table 1 and intended for manufacturing welded gas cylinders.
- 1.2 The general technical delivery conditions in EN 10021 also apply to products supplied in accordance with this European Standard.
- This European Standard does not apply to sheet and strip made of:
 - general structural steels (see EN 10025);
 - non-alloy and alloy steels for pressure vessels (see EN 10028-1 to 10028-6);
 - low carbon non-alloy steels for cold forming (see EN 10111 and EN 10130) $ch\ STANDARD\ PREVIEW$
 - steels with a high yield strength for cold forming (see EN 10149); SIST EN 10120:1997

- https://standards.iteh.ai/catalog/standards/sist/dd9c77ab-6a51-436a-bcf5-- cold-rolled strip3cupaatoc/6000n-mmm(whide of low carbon non-alloy steels (see EN 10139);
- steels for simple pressures vessels (see EN 10207).

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 for steel names (CEN Report)

Metallic materials - Tensile testing - Part 1: EN 10002-1 Method of test (at ambient temperature)

EN	10020	Definition and classification of grades of steel
EN	10021	General technical delivery conditions for iron and steel products
EN	10025	Hot rolled products of non-alloy structural steels - Technical delivery conditions
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	10028-1	Flat products made of steels for pressure purposes - Part 1: General requirements
EN	10028-2	Flat products made of steels for pressure purposes - Part 2: Non-alloy and alloy steels with specified elevated temperature properties
EN	10028-3	(standards.iteh.ai) Flat products made of steels for pressure purposes - Part _{Sl37EWeldable} fine-grain steels; normaturs://liladd.iteh.ai/catalog/standards/sist/dd9c77ab-6a51-436a-bcf5-33e2caaa228c/sist-en-10120-1997
EN	10028-4	Flat products made of steels for pressure purposes - Part 4: Nickel alloy steels with specified low temperature properties
EN	10028-51)	Flat products made of steels for pressure purposes - Part 5: Weldable fine grain steels, thermomechanically rolled
EN	10028-61)	Flat products made of steels for pressure purposes - Part 6: Weldable fine grain steels, quenched and tempered
EN	10051	Continuously hot rolled uncoated unalloyed and alloy steel plate, sheet and strip
EN	10052	Vocabulary of heat treatment terms for ferrous products

In preparation; until this document is published as an European Standard the corresponding national standard should be agreed at the time of enquiry and order.

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EN	10079	Definition of steel products
EN	1011111	Continuously hot rolled sheet and strip without coating of unalloyed low carbon steels for cold working - Quality specifications
EN	10130	Cold rolled low carbon steel flat products for cold forming - Technical delivery conditions
EN	101391)	Cold rolled uncoated low carbon narrow steel strip for cold forming - Technical delivery conditions
EN	10149-1	Hot rolled flat products made of high yield strength steels for cold forming - Part 1: General delivery conditions
EN	10149-2 i	Hot rolled flat products made of high yield strength steels for cold forming - Part 2: Delivery conditions for thermomechanically rolled steels (standards.iteh.ai)
EN	10204	Metallic products - Types of inspection documents
EN :	10207 https:	//standards.iteh.ai/catalog/standards/sist/dd9c77ab-6a51-436a-bcf5- Steels_for_assimple_pressure vessels - Technical delivery requirements for plates, strips and bars
EN	ISO 377 ¹⁾	Steel and steel products - Location of samples and test pieces for mechanical testing
EUR	ONORM 1682)	Iron and steel products - Inspection documents
ISO	2566-1	Steel - Conversion of elongation values - Part 1: Carbon and low alloy steels
ISO/DIS 14284		Steel and iron - Sampling and preparation of samples for the determination of chemical composition

See footnote 1 on page 5.

Until this EURONORM is transformed into an European Standard it can either be implemented or the corresponding national standard shall be agreed at the time of enquiry and order.

3 Definitions

For the purposes of this European Standard, the definitions given for

- classification of steels in EN 10020,
- heat treatment in EN 10052 and
- product shapes in EN 10079 apply.

4 Classification and designation

- 4.1 The steels specified in this European Standard are non-alloy quality steels in accordance with EN 10020.
- 4.2 The steels specified in this European Standard are designated with steel names and steel numbers. Their designation in accordance with EN 10027-1, EN 10027-2 and CR 10260 is given in tables 1 and 3.1 the STANDARD PREVIEW

(standards.iteh.ai)

5 Information to be supplied by the purchaser

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5.1 Mandatory informationa228c/sist-en-10120-1997

The following minimum information shall be stated by the purchaser at the time of enquiry and order:

- a) quantity ordered;
- b) type of flat products (sheet or strip);
- c) number of this European Standard;
- d) steel name or number (see table 1 or 3);
- e) nominal dimensions of the product (length³⁾, width, thickness);
- f) delivery condition (see 6.2);
- g) inspection document to be delivered (see 8.2.1).

Example of ordering:

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10 t sheet - EN 10120 - P265NB - 600x1200x4,0 - normalized - EN 10204-3.1.B or 10 t sheet - EN 10120 - 1.0243 - 600x1200x4,0 - normalized - EN 10204-3.1.B
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for sheet only