SLOVENSKI STANDARD
oSIST prEN 10143:2027

01-januar-2027

Kontinuirno vroče prevlečene pločevine in trakovi - Mejni odstopki mer in tolerance oblike

Continuously hot-dip coated steel sheet and strip - Tolerances on dimensions and shape

Kontinuierlich schmelztauchveredeltes Blech und Band aus Stahl - Grenzabmaße und Formtoleranzen

Tôles et bandes en acier revêtues en continu par immersion à chaud - Tolérances sur les dimensions et sur la forme

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Ta slovenski standard je istoveten z: **prEN 10143**

ICS:

77.140.50	Ploščati jekleni izdelki in polizdelki	Flat steel products and semi-products

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EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

DRAFT
prEN 10143

October 2026

ICS 77.140.50

Will supersede EN 10143:2006

English Version

Continuously hot-dip coated steel sheet and strip - Tolerances on dimensions and shape

Tôles et bandes en acier revêtues en continu par immersion à chaud - Tolérances sur les dimensions et sur la forme

Kontinuierlich schmelztauchveredeltes Blech und Band aus Stahl - Grenzabmaße und Formtoleranzen

This draft European Standard is submitted to CEN members for enquiry. It has been drawn up by the Technical Committee CEN/TC 459/SC 9.

If this draft becomes a European Standard, 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.

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European foreword

This document prEN 10143 : 2026 has been prepared by Technical Committee CEN/TC 459/SC 9, the secretariat of which is held by AFNOR.

This document is currently submitted to the CEN Enquiry.

This document will supersede EN 10143 : 2006

In comparison with the previous edition, the following technical modifications have been made:

— addition of the ‘quantity to be delivered’ to the information to be supplied by the purchase

— introduction of the mill edges tolerances and large tolerances on width of sheet and wide strip

— introduction of transposed tolerances on thickness tolerances

— changes in the range limits for Table 2, Table 4 and Table 9

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1 Scope

This document applies to continuously hot-dip coated products made of low carbon steels for cold forming, of steels for construction and steels with high proof strength for cold forming coated with zinc (Z), zinc-iron alloy (ZF), zinc-aluminium alloy (ZA), aluminium-zinc alloy (AZ), zinc-magnesium alloy (ZM), aluminium-silicon alloy (AS) or aluminium (A) and for continuously hot-dip coated products made of multiphase steels for cold forming coated with zinc (Z), zinc-iron alloy (ZF), zinc-aluminium alloy (ZA) or zinc-magnesium alloy (ZM) with a minimum thickness of 0,20 mm and a maximum thickness of 6,50 mm, delivered as sheet, *wide strip* , *slit wide strip* or cut lengths obtained from *slit wide strip* or sheet.

By agreement at the time of enquiry and order, this document is applicable to continuously hot-dip coated flat products of an expanded validity range defined for thicknesses t < 0,20 mm.

The concerned standard is prEN 10346 [1] .

It does not apply for

— hot-rolled sheet and strip without coating (see EN 10051 [2]) and

— uncoated or electrolytically coated cold rolled sheet and strip (see EN 10131 [3]).

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements 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 1993-1-3, *Eurocode 3 - Design of steel structures - Part 1-3: Cold-formed members and sheeting*

EN 10079, *Definition of steel products*

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3 Terms and definitions

For the purposes of this document, the following terms and definitions apply/ the terms and definitions given in EN 10079 and the following apply.

- ISO Online browsing platform: available at http://www.iso.org/obp
- IEC Electropedia: available at http://www.electropedia.org/

3.1
nominal (specified) thickness
t_{nom}
ordered thickness of the metallic coated product

Note 1 to entry: Nominal thickness includes both steel core and coating.

3.2
steel core thickness
t_{cor}
nominal thickness minus the metallic coating layers

Note 1 to entry: The steel core thickness is in accordance with the definition in EN 1993-1-3 . It is the design thickness for calculations in accordance with EN 1993-1-3

3.3
wide strip
cold rolled steel flat products with a rolling width ≥ 600 mm

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3.4
slit wide strip
cold rolled steel flat products with a rolling width ≥ 600 mm, slit to width less than 1 200 mm

4 Information to be supplied by the purchaser.

4.1 General

Products related to this document shall be designated in the following order (see also Clause 5):

a) quantity to be delivered;

b) type of product (sheet, *wide strip* (3.3) , *slit wide strip* (3.4) or cut length);

c) reference to this document, i.e. EN 10143;

d) *nominal thickness* (3.1) in millimetres;

e) nominal width in millimetres;

f) nominal length in millimetres (sheets and cut lengths only).

4.2 Options

A number of options are specified in this document and listed below. If the purchaser does not indicate the wish to implement any of these options, the supplier shall supply in accordance with the normal specification of this document (see 4.1 and 5.1).

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1) whether the products are to be supplied with special tolerances on thickness, add letter S (see Clause 6);

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2) whether the products are to be supplied with: - mill edges tolerances on width, add letter M, - large tolerances on width, add letter L, - special tolerances on width, add letter S (see Clause 7);

3) whether the products (sheets and cut lengths only) are to be supplied with special tolerances on length, add symbol S (see Clause 8);

4) whether the products are to be supplied with special tolerances on flatness, add symbol FS (seeClause 9);

5) whether the products are to be supplied with special tolerances on camber, add symbol CS (seeClause 11);

6) whether the products are to be supplied with transposed tolerances in accordance with Annex A or Annex B .

4.3 Designation

The product designation in accordance with 4.1 and 4.2 shall be followed by the complete designation of the steel ordered (e.g. according to prEN 10346 [1]).

EXAMPLE 1 100 tonnes of strip, delivered with dimensional tolerances in accordance with EN 10143 with nominal thickness of 0,80 mm, ordered with normal thickness tolerances, nominal width 1 200 mm, ordered with normal width tolerances, made of steel DX53D+ZF (1.0951+ZF) in accordance with prEN 10346 [1] , coating mass 100 g/m^2 (100), surface quality B, surface treatment oiled (O):

— 100 tonnes of strip EN 10143–0,80x1200–steel prEN 10346 [1] DX53D+ZF100–B–O

or:

— 100 tonnes of strip EN 10143–0,80x1200–steel prEN 10346 [1] 1.0951+ZF100–B–O

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