



SLOVENSKI STANDARD
SIST EN 10363:2016
01-oktober-2016

Kontinuirno vroče valjani vzorčasti jekleni trakovi in trakovi brez prevleke - Mejni odstopki mer in tolerance oblik

Continuously hot-rolled patterned steel strip and plate/sheet cut from wide strip - Tolerances on dimensions and shape

Kontinuierlich warmgewalztes Riffelband und -blech abgelängt aus Warmbreitband - Grenzabmaße und Formtoleranzen

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Ta slovenski standard je istoveten z: **EN 10363:2016**

ICS:

17.040.10	Tolerance in ujemi	Limits and fits
77.140.50	Ploščati jekleni izdelki in polizdelki	Flat steel products and semi-products

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EUROPEAN STANDARD

EN 10363

NORME EUROPÉENNE

EUROPÄISCHE NORM

July 2016

ICS 77.140.50

English Version

Continuously hot-rolled patterned steel strip and plate/sheet cut from wide strip - Tolerances on dimensions and shape

Bandes et tôles/feuilles laminées striées issues de larges bandes en acier laminé à chaud en continu - tolérances sur les dimensions et la forme

Kontinuierlich warmgewalztes Riffelband und -blech abgelängt aus Warmbreitband aus Stahl - Grenzabmaße und Formtoleranzen

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

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European foreword

This document (EN 10363:2016) has been prepared by Technical Committee ECISS/TC 103 “Structural steels other than reinforcements”, 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of an identical text or by endorsement, at the latest by January 2017, and conflicting national standards shall be withdrawn at the latest by January 2017.

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1 Scope

This European Standard specifies tolerances on dimensions and shape for continuously hot-rolled uncoated patterned steel strip and plate/sheet cut of it in nominal thicknesses up to 20 mm inclusive, of non-alloy and alloy steels in accordance with Table 1 (see also Annex A).

Table 1 — Field of application

Product	Nominal thickness	Steel grades according (but not limited) to:
Wide strip (width: $w \geq 600$ mm) ^a Sheet/plate cut from wide strip Strip $w < 600$ mm slit from wide strip	≤ 20 mm	EN 10025-2 EN 10025-3 EN 10025-4 EN 10025-5 EN 10149-2
^a Usually these steel products are delivered in widths up to and including 2 200 mm. For widths values w over 2 200 mm, see 4.2, Option 4.		

Steel grades other than those given in Table 1 may be used by agreement only.

This European standard does not apply to stainless steels.

2 Normative references

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

EN 10020:2000, *Definition and classification of grades of steel*

EN 10079:2007, *Definition of steel products*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in EN 10020:2000, EN 10079:2007 and the following apply.

3.1 hot-rolled patterned steel strip
hot-rolled steel strip which has been provided with a regular raised pattern (chequer or bulb) on one side to render the surface more non-slip and safer underfoot, with the reverse side usually smooth

4 Information to be supplied by the purchaser

4.1 General

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

- quantity to be supplied;
- product designation (wide strip, sheet/plate cut from wide strip, strip slit from wide strip);
- the number of this standard (EN 10363);

- d) symbol for surface design (T, R or A) (see 5.2);
- e) nominal thickness in mm (see 6.1.1);
- f) nominal width in mm (see 6.2.1);
- g) nominal length in mm (for sheet/plate, see 6.3);
- h) name or material number of steel grade;
- i) edge camber requirements for strip < 600 mm wide, which was slit from wide strip (see 7.4).

4.2 Options

The following additional details may be given when ordering:

- 1) whether trimmed edges are required (GK), (see 5.1);
- 2) whether for sheet/plate the tolerances on out-of-squareness and edge camber shall be replaced by a requirement that a perfect rectangle formed by the ordered width and length dimensions can be superimposed into the sheets delivered;
- 3) whether the delivery of a different steel grade of steel than those specified in the scope of this standard is required (see Clause 1);
- 4) tolerances on thickness for widths values $w > 2\ 200$ mm (see Table 2, Footnote a);
- 5) special tolerances on width for products with trimmed edges (see Table 3, Footnote b).

If the customer does not specify otherwise, delivery shall be in accordance with the specifications of 4.1 and 5.1.

4.3 Example of designations

The designation shall be followed by the complete designation of the steel ordered.

EXAMPLE 1 Designation of an order of 20 t of hot-rolled patterned wide strip according to this European Standard, of surface design T, a nominal thickness of 5 mm and a nominal width of 1 300 mm, made from steel of grade S235JR (material number 1.0038) in accordance with EN 10025-2:

20 t strip EN 10363 — T - 5 × 1300

Steel EN 10025-2 — S235JR

or

20 t strip EN 10363 — T - 5 × 1300

Steel EN 10025-2 — 1.0038

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EXAMPLE 2 Designation of an order of 15 sheets according to this European Standard, of surface design A, a nominal thickness of 5 mm, a nominal width of 1 900 mm and a nominal length of 2 500 mm, made from steel of grade S235JR (material number 1.0038) in accordance with EN 10025-2:

15 sheets EN 10363 — A - 5 × 1900 × 2500

Steel EN 10025-2 — S235JR

or

15 sheets EN 10363 — A - 5 × 1900 × 2500

Steel EN 10025-2 — 1.0038

5 Form of supply and design

5.1 Form of supply

Products according to this standard shall be supplied with mill edges or with trimmed edges (GK), as agreed at the time of enquiry and order (see 4.2, Option 1). In the absence of information on the form of supply, the products according to this standard shall be supplied with mill edges.

5.2 Design

5.2.1 Patterned steel in accordance with this standard is available as design T as shown in Figure 1, as design R as shown in Figure 2 or as design A as shown in Figure 3.

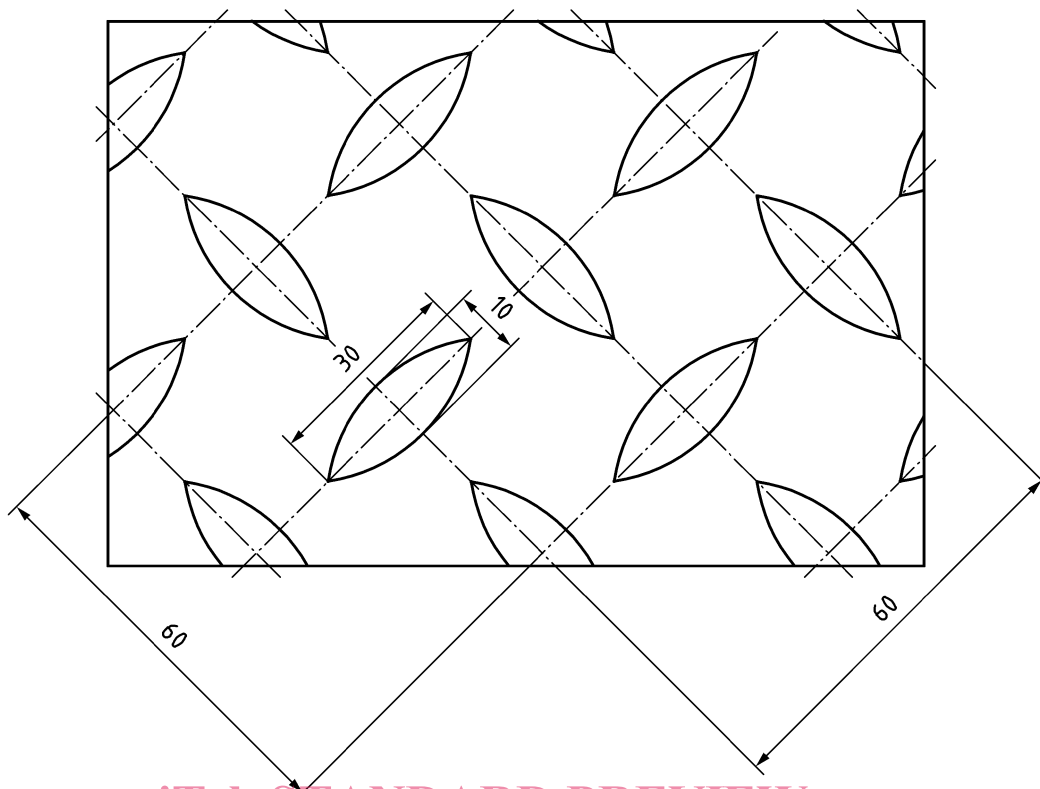
5.2.2 According to the nominal thickness, the height of the pattern h (see Figure 4) may vary between 1,0 mm and 2,2 mm for nominal thicknesses $t \geq 3,0$ mm and between 0,5 mm and 2,2 mm for nominal thicknesses $t < 3,0$ mm.

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5.2.3 Informative values for nominal masses are given in Annex B, Table B.1.

5.2.4 The dimensions given in Figures 1, 2 and 3 are guideline values.

5.2.5 Embossing need not run parallel with the longitudinal edges of the strip or sheet/plate.



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Figure 1 — Example of surface design T

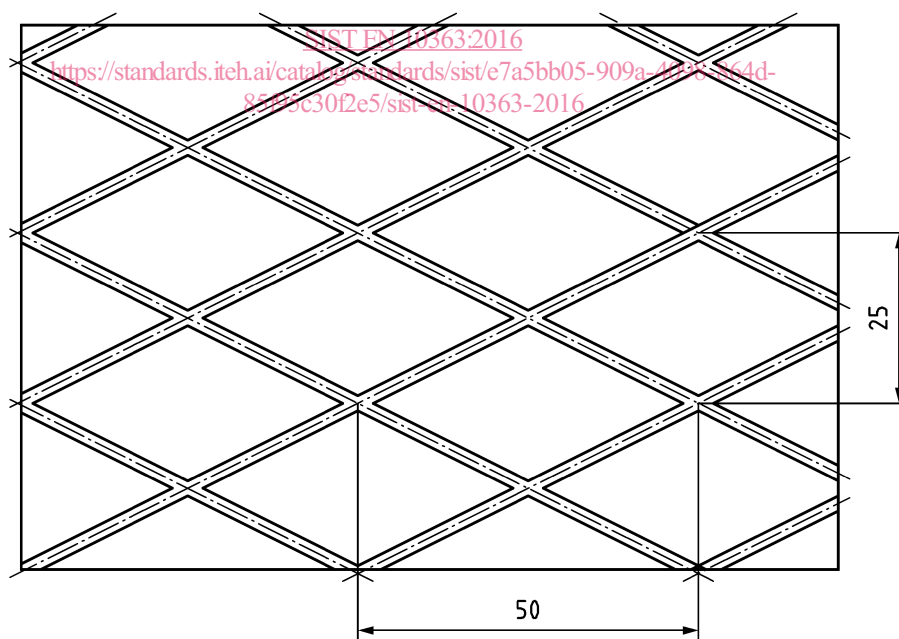


Figure 2 — Example of surface design R