



SLOVENSKI STANDARD
kSIST FprEN 10251:2015
01-marec-2015

Magnetni materiali - Metode za ugotavljanje geometrijskih lastnosti elektropločevin in trakov

Magnetic materials - Methods of determination of the geometrical characteristics of electrical steel sheet and strip

Magnetische Werkstoffe - Verfahren zur Bestimmung der geometrischen Kenngrößen von Elektroblech und -band

Matériaux magnétiques - Méthodes de détermination des caractéristiques géométrique des tôles électriques en acier

Ta slovenski standard je istoveten z: FprEN 10251

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ICS:

29.030	Magnetni materiali	Magnetic materials
77.140.50	Ploščati jekleni izdelki in polizdelki	Flat steel products and semi-products

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en,fr,de

EUROPEAN STANDARD
NORME EUROPÉENNE
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Will supersede EN 10251:1997

English Version

Magnetic materials - Methods of determination of the geometrical characteristics of electrical steel sheet and strip

Matériaux magnétiques - Méthodes de détermination des caractéristiques géométriques des tôles électriques en acier

Magnetische Werkstoffe - Verfahren zur Bestimmung der geometrischen Kenngrößen von Elektroblech und -band

This draft European Standard is submitted to CEN members for unique acceptance procedure. It has been drawn up by the Technical Committee ECISS/TC 108.

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.

This draft European Standard was established by CEN 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 CEN-CENELEC Management Centre has the same status as the official versions.

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Recipients of this draft are invited to submit, with their comments, notification of any relevant patent rights of which they are aware and to provide supporting documentation.

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

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Foreword

This document (FprEN 10251:2015) has been prepared by Technical Committee ECISS/TC 108 “Steel sheet and strip for electrical applications”, the secretariat of which is held by DIN.

This document is currently submitted to the Unique Acceptance Procedure.

This document will supersede EN 10251:1997.

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FprEN 10251:2015 (E)

1 Scope

This European Standard is intended to define the test methods used for the determination of the following geometrical characteristics of electrical steel sheet and strip:

- flatness;
- residual curvature;
- edge camber;
- deviation from the shearing line due to internal stresses;
- burr height of cut edges.

This European Standard applies to electrical steel sheet and strip intended for the construction of magnetic circuits and corresponding to Clauses B2, C21 and C22 of IEC 60404-1:2000.

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.

IEC 60404-1:2000, *Magnetic materials — Part 1: Classification*

3 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

3.1 flatness (wave factor)
property of a sheet or length of strip which is characterized by the wave factor, i.e. by the relation of the height of the wave to its length

Note 1 to entry: For examples of waves, see Figure 1.

3.2 residual curvature
permanent curvature in the direction of rolling of an unwound strip

3.3 edge camber
greatest distance between a longitudinal edge of the sheet and the line joining the two ends of the measured section corresponding to this edge

Note 1 to entry: See Figure 3.

3.4 deviation from the shearing line due to internal stresses
greatest distance between corresponding points on the two cut edges of a sheet cut longitudinally

Note 1 to entry: See Figure 4.