



SLOVENSKI STANDARD SIST EN ISO 10683:2002

01-julij-2002

Vezni elementi - S cinkovo lamelno prevleko, ki ni izdelana z elektrolizo (ISO 10683:2000)

Fasteners - Non-electrolytically applied zinc flake coatings (ISO 10683:2000)

Verbindungselemente - Nichteletrolytisch aufgebrachte Zinklamellenüberzüge (ISO 10683:2000)

Eléments de fixation - Revêtements non électrolytiques de lamelles de zinc (ISO 10683:2000)

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Ta slovenski standard je istoveten z: EN ISO 10683:2000

ICS:

21.060.01	Vezni elementi na splošno	Fasteners in general
25.220.40	Kovinske prevleke	Metallic coatings

SIST EN ISO 10683:2002

en

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EUROPEAN STANDARD

EN ISO 10683

NORME EUROPÉENNE

EUROPÄISCHE NORM

July 2000

ICS 21.060.10; 25.220

English version

Fasteners - Non-electrolytically applied zinc flake coatings (ISO 10683:2000)

Eléments de fixation - Revêtements non électrolytiques de lamelles de zinc (ISO 10683:2000)

Verbindungselemente - Nichteletrolytisch aufgebrachte Zinklamellenüberzüge (ISO 10683:2000)

This European Standard was approved by CEN on 15 July 2000.

CEN members are bound to comply with the CEN/GENELEC 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

Foreword

The text of the International Standard ISO 10683:2000 has been prepared by Technical Committee ISO/TC 2 "Fasteners" in collaboration with Technical Committee CEN/TC 185 "Threaded and non-threaded mechanical fasteners and accessories", 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 2001, and conflicting national standards shall be withdrawn at the latest by January 2001.

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.

NOTE FROM CEN/CS: The foreword is susceptible to be amended on reception of the German language version. The confirmed or amended foreword, and when appropriate, the normative annex ZA for the references to international publications with their relevant European publications will be circulated with the German version.

Endorsement notice

The text of the International Standard ISO 10683:2000 was approved by CEN as a European Standard without any modification.

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INTERNATIONAL STANDARD

ISO
10683

First edition
2000-07-15

Fasteners — Non-electrolytically applied zinc flake coatings

*Éléments de fixation — Revêtements non électrolytiques de lamelles
de zinc*

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Reference number
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Contents

Page

Foreword.....	iv
1 Scope	1
2 Normative references	1
3 Terms and definitions	2
4 General characteristics	2
5 Dimensional requirements and testing	2
6 Testing of corrosion protection	5
7 Mechanical and physical properties and testing.....	5
7.1 General.....	5
7.2 Appearance	5
7.3 Temperature resistance	5
7.4 Ductility	6
7.5 Adhesion/cohesion	6
7.6 Cathodic protection.....	6
7.7 Torque/tension relationship for coatings with integral lubricant or subsequently (externally) added lubricant.....	6
8 Applicability of tests.....	6
8.1 General.....	6
8.2 Tests mandatory for each lot.....	6
8.3 Tests to be conducted for in-process control.....	6
8.4 Tests which are only to be conducted when specified by the customer.....	6
9 Designation	7
10 Ordering requirements.....	7
Annex A (informative)	8

ISO 10683:2000(E)**Foreword**

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 3.

Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

Attention is drawn to the possibility that some of the elements of this International Standard may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights.

International Standard ISO 10683 was prepared by Technical Committee ISO/TC 2, *Fasteners*, Subcommittee SC 1 *Mechanical properties of fasteners*.

Annex A of this International Standard is for information only.

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Fasteners — Non-electrolytically applied zinc flake coatings

1 Scope

This International Standard specifies requirements for thickness, corrosion resistance and mechanical and physical properties of non-electrolytically applied zinc flake coatings on steel fasteners with metric threads.

It applies to both coatings with or without chromate.

Coatings according to this International Standard may also be applied to steel screws which form their own mating threads such as wood screws, self tapping screws, self drilling screws, thread cutting screws and thread rolling screws as well as to non-threaded steel parts such as washers and pins.

They may be similarly applied to steel fasteners with other types of thread.

Coatings according to this International Standard can be supplied with integral lubricant and/or with a subsequently added lubricant.

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2 Normative references

The following normative documents contain provisions which, through reference in this text, constitute provisions of this International Standard. For dated references, subsequent amendments to, or revisions of, any of these publications do not apply. However, parties to agreements based on this International Standard are encouraged to investigate the possibility of applying the most recent editions of the normative documents indicated below. For undated references, the latest edition of the normative document referred to applies. Members of ISO and IEC maintain registers of currently valid International Standards.

ISO 898-1:1999, *Mechanical properties of fasteners made of carbon steel and alloy steel — Part 1: Bolts, screws and studs.*

ISO 965-1:1998, *ISO general purpose metric screw threads — Tolerances — Part 1: Principles and basic data.*

ISO 965-2:1998, *ISO general purpose metric screw threads — Tolerances — Part 2: Limits of sizes for general purpose external and internal screw threads — Medium quality.*

ISO 965-3:1998, *ISO general purpose metric screw threads — Tolerances — Part 3: Deviations for constructional screw threads.*

ISO 1463:—¹⁾, *Metallic and oxide coatings — Measurement of coating thickness — Microscopical method.*

ISO 1502:1996, *ISO general purpose metric screw threads — Gauges and gauging.*

ISO 2064:1996, *Metallic and other inorganic coatings — Definitions and conventions concerning the measurement of thickness.*

1) To be published. (Revision of ISO 1463:1982)