SLOVENSKI STANDARD
SIST EN ISO 4519:2016

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Nadomešča:
SIST ISO 4519:1999

Galvansko nanašanje kovinskih in sorodnih prevlek - Naključno vzorčenje za kontrolo kakovosti (ISO 4519:1980)

Electrodeposited metallic coatings and related finishes - Sampling procedures for inspection by attributes (ISO 4519:1980)

Elektrolytisch abgeschiedene metallische Überzüge und verwandter Finishs - Stichprobenverfahren zur Qualitätskontrolle (ISO 4519:1980)

Dépôts électrolytiques et finitions apparentées - Méthodes d'échantillonnage pour le contrôle par attributs (ISO 4519:1980)

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Electrodeposited metallic coatings and related finishes - Sampling procedures for inspection by attributes (ISO 4519:1980)

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

CEN-CENELEC Management Centre: Avenue Marnix 17, B-1000 Brussels

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Contents

Page

European foreword

The text of ISO 4519:1980 has been prepared by Technical Committee ISO/TC 107 “Metallic and other inorganic coatings” of the International Organization for Standardization (ISO) and has been taken over as EN ISO 4519:2016 by Technical Committee CEN/TC 262 “Metallic and other inorganic coatings” the secretariat of which is held by BSI.

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of an identical text or by endorsement, at the latest by October 2016, and conflicting national standards shall be withdrawn at the latest by October 2016.

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Endorsement notice

The text of ISO 4519:1980 has been approved by CEN as EN ISO 4519:2016 without any modification.

International Standard 4519

INTERNATIONAL ORGANIZATION FOR STANDARDIZATION•МЕЖДУНАРОДНАЯ ОРГАНИЗАЦИЯ ПО СТАНДАРТИЗАЦИИ•ORGANISATION INTERNATIONALE DE NORMALISATION

Electrodeposited metallic coatings and related finishes — Sampling procedures for inspection by attributes

Dépôts électrolytiques et finitions apparentées — Méthodes d'échantillonnage pour le contrôle par attributs

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Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards institutes (ISO member bodies). The work of developing International Standards is carried out through ISO technical committees. Every member body interested in a subject for which a technical committee has been set up 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.

Draft International Standards adopted by the technical committees are circulated to the member bodies for approval before their acceptance as International Standards by the ISO Council.

International Standard ISO 4519 was developed by Technical Committee ISO/TC 107, *Metallic and other non-organic coatings*, and was circulated to the member bodies in March 1979.

It has been approved by the member bodies of the following countries :

Bulgaria	Israel	South Africa, Rep. of
Canada	Italy	Spain
Czechoslovakia	Japan	Sweden
France	Korea, Rep. of	Switzerland
Germany, F.R.	Libyan Arab Jamahiriya	Turkey
Hungary	Poland	United Kingdom
India	Romania	USA

The member body of the following country expressed disapproval of the document on technical grounds :

Netherlands

Printed in Switzerland

Electrodeposited metallic coatings and related finishes — Sampling procedures for inspection by attributes

1 Scope and field of application

This International Standard establishes sampling plans and procedures for inspection by attributes of electrodeposited metallic coatings. It may be applied to related finishes by agreement between the supplier and the purchaser. It is based on ISO 2859 (see also Addendum 1 to ISO 2859).

The sampling plans in this International Standard are applicable, but not limited, to the inspection of end items, components, materials in process and finished products in storage. The plans are intended primarily to be used for a continuing series of lots, but they may also be used for the inspection of isolated lots. However, the assurance given for isolated lots is lower than that given for a continuing series of lots.

This International Standard is not applicable to the sampling and testing of mechanical fasteners having electrodeposited metallic coatings or related finishes, in all the circumstances for which procedures for these components are specified in ISO 3269.

The sampling plans given in this International Standard are based on AQLs[1] of 1,5 and 4,0 %. Other AQLs may be used if specified in the product specification, in which case reference should be made to ISO 2859 and its Addendum 1.

It is also possible to formulate sampling plans based on inspection by variables.

2 References

ISO 2859, *Sampling procedures and tables for inspection by attributes.*

ISO 2859/Add. 1, *General information on sampling inspection, and guide to the use of the ISO 2859 tables.*

ISO 3269, *Fasteners — Acceptance inspection.*[2]

ISO 3534, *Statistics — Vocabulary and symbols.*

3 Definitions

NOTE — Some of these definitions are not identical with those in ISO 3534 but have been modified to make them easier to understand by non-statisticians and to make them more readily applicable to electroplated thems.

3.1 inspection : The process of measuring, examining, testing, or otherwise comparing the unit of product (see 3.4) with the requirements.

3.2 attribute : A characteristic or property which is appraised in terms of whether it does or does not exist (for example go or no-go) with respect to a given requirement.

3.3 inspection by attribute(s) : Inspection whereby either the unit of product is simply classified as defective or non-defective, or the number of defects in the unit of product is counted, with respect to one or more given requirements.

3.4 unit of product : The object inspected either to determine its classification as defective or non-defective, or to count the number of defects. It may be a single article, a pair, a set, a length, an area, an operation, a volume, a component of an end item or the end product itself. The unit of product may or may not be the same as the unit of purchase, supply, production, or shipment.

3.5 acceptance number : The maximum number of defects or defective units in the sample that will permit acceptance of the inspection lot.

3.6 rejection number : The minimum number of defects or defective units in the sample that will cause rejection of the inspection lot.

3.7 inspection lot : A collection of coated articles that are of the same kind, that have been produced to the same specifications, that have been coated by a single supplier at one time, or at approximately the same time, under essentially identical conditions and that are submitted for acceptance or rejection as a group.

1) AQL = Acceptable Quality Level.

2) At present at the stage of draft.