SLOVENSKI STANDARD
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Aerospace series - Elements of electrical and optical connection - Test methods - Part 503: Contact deformation after crimping

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Luft- und Raumfahrt - Elektrische und optische Verbindungselemente - Prüfverfahren - Teil 503: Kontaktverformung nach dem Crimpen

Série aérospatiale - Organes de connexion électrique et optique - Méthodes d'essais - Partie 503 : Déformation du contact apres sertissage

Ta slovenski standard je istoveten z: **EN 2591-503:2001**

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EUROPEAN STANDARD

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Série aérospatiale - Organes de connexion électrique et optique - Méthodes d'essais - Partie 503: Déformation du contact après sertissage

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This European Standard was approved by CEN on 4 June 2001.

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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 Management Centre has the same status as the official versions.

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

Management Centre: rue de Stassart, 36 B-1050 Brussels

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Foreword

This European Standard has been prepared by the European Association of Aerospace Manufacturers (AECMA).

After inquiries and votes carried out in accordance with the rules of this Association, this Standard has received the approval of the National Associations and the Official Services of the member countries of AECMA, prior to its presentation to CEN.

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of an identical text or by endorsement, at the latest by May 2002, and conflicting national standards shall be withdrawn at the latest by May 2002.

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.

1 Scope

This standard specifies a method of assessing the deformation after crimping of the contacts used in elements of electrical and optical connection.

It shall be used together with EN 2591-100.

2 Normative references

This European Standard incorporates by dated or undated reference provisions from other publications. These normative references are cited at the appropriate places in the text and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this European Standard only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies.

EN 2591-100	Aerospace series – Elements of electrical and optical connection – Test methods – Part 100: General [1)]
EN 2591-102	Aerospace series – Elements of electrical and optical connection – Test methods – Part 102: Examination of dimensions and mass

3 Preparation of specimens

3.1 The specimens shall be checked as specified in EN 2591-102 and prepared as specified:

- 50 % with cables of the maximum section allowed by contact;
- 50 % with cables of the minimum section allowed by contact.

The contacts shall be crimped with the specified tools.

3.2 Unless specified in the technical specification, the following details shall be stated:

- type of cable;
- minimum and maximum sections of conductors for each contact size;
- crimping tools;
- number of specimens;
- requirements.

4 Apparatus

It shall consist of a test device which allows contact rotation and does not cause:

- any additional excentricity exceeding 1 % of the original contact excentricity;
- any contact deformation due to the method of holding.

1) Published as AECMA Prestandard at the date of publication of this standard

5 Method

5.1 Procedure

Install the contacts on the rotating device. Measure and record excentricity whilst rotating the specimen through 360°.

5.2 Requirements

5.2.1 For a rotation of 360° the contact excentricity shall not exceed the specified value.

5.2.2 For a rotation of 360° the opening up of the crimp barrel in the crimp area shall not exceed the specified value.

5.2.3 No crack shall be visible under three times magnification.