SLOVENSKI STANDARD
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Aerospace series - Elements of electrical and optical connection - Test methods - Part 421: Free fall

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Luft- und Raumfahrt - Elektrische und optische Verbindungselemente - Prüfverfahren - Teil 421: Freier Fall

Série aérospatiale - Organes de connexion électrique et optique - Méthodes d'essais - Partie 421: Chute libre

Ta slovenski standard je istoveten z: **EN 2591-421:2002**

ICS:

49.060	Letalska in vesoljska elektriļ na oprema in sistemi	Aerospace electric equipment and systems

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EUROPEAN STANDARD

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This European Standard was approved by CEN on 8 February 2002.

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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.

CEN members are the national standards bodies of Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Malta, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.

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

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Foreword

This document (EN 2591-421:2002) has been prepared by the European Association of Aerospace Manufacturers (AECMA).

After enquiries 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of an identical text or by endorsement, at the latest by December 2002, and conflicting national standards shall be withdrawn at the latest by December 2002.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, Malta, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and the United Kingdom

1 Scope

This standard specifies a method of verifying the ability of an element of connection to withstand shock when submitted to repeated falls.

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 2591-101 Aerospace series – Elements of electrical and optical connection – Test methods – Part 101: Visual examination

EN 2591-408 Aerospace series – Elements of electrical and optical connection – Test methods – Part 408: Mating and unmating forces

3 Preparation of specimens

Non-mated and non-wired specimens shall be fitted with their normal accessories as specified.

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

- type of accessory;
- number of revolutions if different from 50.

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

4 Apparatus

A drum such as defined by figure 1.

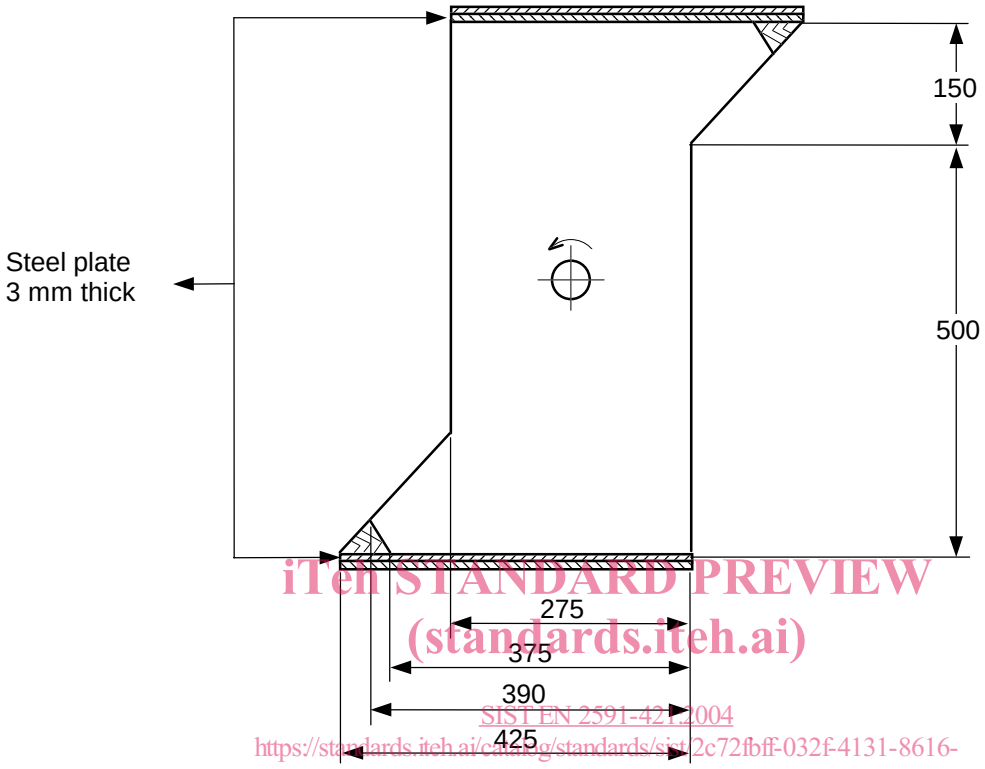

Figure 1

5 Method

5.1 Procedure

The specimens shall be put into the drum which rotates at a speed of about five revolutions per minute. Unless otherwise indicated in the technical specification, the number of revolutions (falls) shall be 50.

5.2 Final measurements (if applicable)

- EN 2591-101;
- EN 2591-408.