

**Aerospace series - Cables, electrical,  
aircraft use - Test methods - Part 501:  
Dynamic out-through**

Aerospace series - Cables, electrical, aircraft use -  
Test methods - Part 501: Dynamic out-through

## EESTI STANDARDI EESSÕNA

## NATIONAL FOREWORD

<p>Käesolev Eesti standard EVS-EN 3475-501:2002 sisaldab Euroopa standardi EN 3475-501:2002 ingliskeelset teksti.</p> <p>Käesolev dokument on jõustatud 12.07.2002 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes.</p> <p>Standard on kättesaadav Eesti standardiorganisatsioonist.</p>	<p>This Estonian standard EVS-EN 3475-501:2002 consists of the English text of the European standard EN 3475-501:2002.</p> <p>This document is endorsed on 12.07.2002 with the notification being published in the official publication of the Estonian national standardisation organisation.</p> <p>The standard is available from Estonian standardisation organisation.</p>
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<p><b>Käsitlusala:</b></p> <p>This standard specifies a method of measuring the resistance to cut-through of an insulated conductor. This test is limited to insulations with thickness of 0,3 mm or less. It shall be used together with EN 3475-100 and ASTM-D-3032-86 paragraph 22 - Dynamic cut-through.</p>	<p><b>Scope:</b></p> <p>This standard specifies a method of measuring the resistance to cut-through of an insulated conductor. This test is limited to insulations with thickness of 0,3 mm or less. It shall be used together with EN 3475-100 and ASTM-D-3032-86 paragraph 22 - Dynamic cut-through.</p>
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**ICS** 49.060

**Võtmesõnad:** aerospace transport, air transport, aircraft, cables, electric cables, electric conductors, electrical, electrical cords, notch strength, notches, specification (approval), specifications, strength of materials, testing

ICS 49.060

English version

**Aerospace series - Cables, electrical, aircraft use - Test  
methods - Part 501: Dynamic out-through**

Série aérospatiale - Câbles électriques à usage  
aéronautique - Méthodes d'essais - Partie 501: Résistance  
à la coupure

Luft- und Raumfahrt - Elektrische Leitungen für Luftfahrt,  
Verwendung - Prüfverfahren - Teil 501: Kerbfestigkeit

This European Standard was approved by CEN on 6 August 2001.

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. Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the Management Centre 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 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 3475-501:2002) 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 standards, either by publication of an identical text or by endorsement, at the latest by August 2002, and conflicting national standards shall be withdrawn at the latest by August 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 measuring the resistance to cut-through of an insulated conductor. This test is limited to insulations with a thickness of 0,38 mm or less.

It shall be used together with EN 3475-100 and ASTM-D-3032-86 paragraph 22 - Dynamic cut-through.

## 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 3475-100	Aerospace series – Cables, electrical, aircraft use – Test methods – Part 100: General
ASTM-D-3032-86	Standard methods of testing hook-up wire insulation <sup>1)</sup>

## 3 Preparation of specimens

In accordance with paragraph 22 of ASTM-D-3032-86.

## 4 Apparatus

General device for cut-through test: see figure 1.

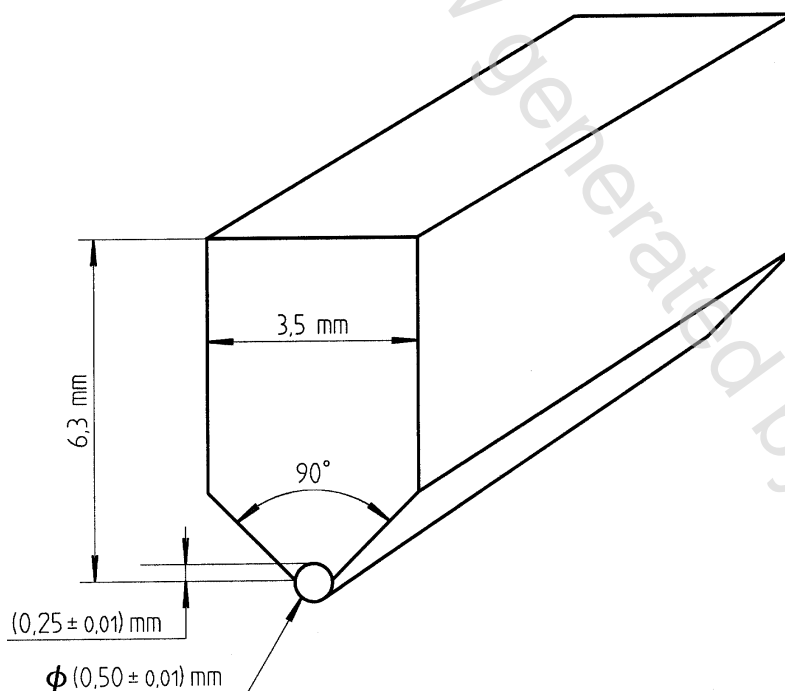


Figure 1 – Needle holder

1) This standard is published by: American Society for Testing and Materials (ASTM), 1916 Race St., Philadelphia PA 19103