SLOVENSKI STANDARD
SIST EN 4057-404:2009

01-junij-2009

Aeronavtika - Kabelske spojke za vezalno pasovje - Preskusne metode - 404. del: Namestitev pri nizki temperaturi

Aerospace series - Cable ties for harnesses - Test methods - Part 404: Low temperature installation

Luft- und Raumfahrt - Befestigungsbänder für Leitungsbündel - Prüfverfahren - Teil 404: Verarbeitung bei niedriger Temperatur

Série aérospatiale - Frettes de câblage pour harnais - Méthodes d'essais - Partie 404 : Installation à basse température

Ta slovenski standard je istoveten z: **EN 4057-404:2006**

ICS:

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

SIST EN 4057-404:2009 **en,de**

EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

EN 4057-404

December 2006

ICS 49.060

English Version

Aerospace series - Cable ties for harnesses - Test methods - Part 404: Low temperature installation

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Ref. No. EN 4057-404:2006: E

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Foreword

This document (EN 4057-404:2006) has been prepared by the Aerospace and Defence Industries Association of Europe - Standardization (ASD-STAN).

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 ASD, 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of an identical text or by endorsement, at the latest by June 2007, and conflicting national standards shall be withdrawn at the latest by June 2007.

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1 Scope

This standard specifies the procedure to determine the suitability of cable ties for harnesses for low temperature installation for aerospace applications.

It shall be used together with EN 4057-100.

2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

EN 4056-001, *Aerospace series — Cable ties for harnesses — Test methods — Part 001: Technical specification*

EN 4057-100, *Aerospace series — Cable ties for harnesses — Test methods — Part 100: General*

EN 4057-401, *Aerospace series — Cable ties for harnesses — Test methods — Part 401: Loop tensile strength*

3 Apparatus

A cold chamber capable of achieving a temperature of – 15 °C.

A tensile tester as described in EN 4057-401.

4 Procedure

Place the test mandrels as described in EN 4057-401 and the specimens in an environment of $(-15\ ^{0}_{-5})$ °C for not less than one hour. Whilst still at this temperature mount the specimens on the mandrels in accordance with the requirements of EN 4057-401. Remove from the cold chamber and allow to regain room temperature. Submit the specimens to the loop tensile strength test as specified in EN 4057-401 within two hours of removal from the chamber and record the minimum force to failure.

5 Requirements

The performance shall be achieved as required by the technical specification EN 4056-001.

The minimum force to failure shall be as specified in the product standard.