

**Aerospace series - Bushes, plain in aluminium alloy with self-lubricating liner, elevated load - Part 2: Dimensions and loads - Inch series**

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## EESTI STANDARDI EESSÕNA

## NATIONAL FOREWORD

Käesolev Eesti standard EVS-EN 4534-2:2009 sisaldab Euroopa standardi EN 4534-2:2009 ingliskeelset teksti.

Standard on kinnitatud Eesti Standardikeskuse 30.11.2009 käskkirjaga ja jõustub sellekohase teate avaldamisel EVS Teatajas.

Euroopa standardimisorganisatsioonide poolt rahvuslikele liikmetele Euroopa standardi teksti kättesaadavaks tegemise kuupäev on 10.06.2009.

Standard on kättesaadav Eesti standardiorganisatsioonist.

This Estonian standard EVS-EN 4534-2:2009 consists of the English text of the European standard EN 4534-2:2009.

This standard is ratified with the order of Estonian Centre for Standardisation dated 30.11.2009 and is endorsed with the notification published in the official bulletin of the Estonian national standardisation organisation.

Date of Availability of the European standard text 10.06.2009.

The standard is available from Estonian standardisation organisation.

ICS 49.035

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English Version

## Aerospace series - Bushes, plain in aluminium alloy with self-lubricating liner, elevated load - Part 2: Dimensions and loads - Inch series

Série aérospatiale - Bagues en alliage d'aluminium à garniture autolubrifiante, charge élevée - Partie 2 : Dimensions et charges - Série en inches

Luft- und Raumfahrt - Buchsen aus Aluminiumlegierung, mit selbstschmierender Beschichtung, erhöhte Belastung - Teil 2: Maße und Belastungen - Inch Reihe

This European Standard was approved by CEN on 24 April 2009.

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 CEN 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 CEN 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: Avenue Marnix 17, B-1000 Brussels

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## Foreword

This document (EN 4534-2:2009) has been prepared by the Aerospace and Defence Industries Association of Europe - Standardization (ASD-STAN).

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 2009, and conflicting national standards shall be withdrawn at the latest by December 2009.

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.

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## 1 Scope

This standard specifies the characteristics of plain bushes in aluminium alloy with self-lubricating liner, elevated load for aerospace applications.

The bushes are intended for use in fixed or moving parts of the aircraft structure and control mechanisms.

They shall be used in the temperature range – 55 °C to 121 °C.

## 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 2101, *Aerospace series — Chromic acid anodizing of aluminium and wrought aluminium alloys*

EN 2284, *Aerospace series — Sulphuric acid anodizing of aluminium and wrought aluminium alloys*

EN 2311, *Aerospace series — Bushes with self-lubricating liner — Technical specification*

EN 2318, *Aerospace series — Aluminium alloy AL-P2024- T3511 — Extruded bars and sections —  $1,2 \text{ mm} \leq a \text{ or } D \leq 150 \text{ mm}$*

EN 2424, *Aerospace series — Marking of aerospace products*

TR 4475, *Aerospace series — Bearings and mechanical transmissions for airframe applications — Vocabulary*<sup>1)</sup>

ISO 2768-1, *General tolerances — Part 1: Tolerances for linear and angular dimensions without individual tolerance indications*

## 3 Terms and definitions

For the purposes of this document, the terms and definitions given in TR 4475 apply.

## 4 Requirements

### 4.1 Configuration, dimensions, tolerances and mass

According to Figure 1 and Tables 1 and 2. Dimensions apply after surface treatment. Dimensions and tolerances are expressed in millimetres (inches).

General tolerances shall be ISO 2768-m in accordance with ISO 2768-1.

### 4.2 Surface roughness

According to Figure 1.

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1) Published as ASD Technical Report at the date of publication of this standard.