

**Lennunduse ja kosmonautika seeria. Isemääriva
kattega alumiiniumisulamist silepuksid.
Mõõtmed ja koormused**

Aerospace series - Bushes, plain aluminium alloy
with self-lubricating liner - Dimensions and loads

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

Käesolev Eesti standard EVS-EN 2285:2000 sisaldab Euroopa standardi EN 2285:1989 ingliskeelset teksti.

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Standard on kättesaadav Eesti standardiorganisatsioonist.

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EUROPEAN STANDARD
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EUROPÄISCHE NORM

EN 2285

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Key words : Aeronautical industry, bush, aluminium alloy, liner, self-lubricating piece, dimension.

English version

Aerospace series
Bushes, plain
aluminium alloy
with self-lubricating liner
Dimensions and loads

Série aéronautique
Bagues cylindriques
en alliage d'aluminium
à garniture autolubrifiante
Dimensions et charges

Luft- und Raumfahrt
Buchsen ohne Flansch
aus Aluminium-Legierung
mit selbstschmierender Beschichtung
Maße und Belastungen

This European Standard was accepted by CEN on 1988-11-03. CEN members are bound to comply with the requirements of CEN Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration.

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CEN

European Committee for Standardization
Comité Européen de Normalisation
Europäisches Komitee für Normung

Central Secretariat : Rue Bréderode 2, B-1000 Bruxelles

Brief history

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 successively received the approval of the National Associations and the Official Services of the member countries of AECMA, prior to its presentation to CEN.

According to the Common CEN/CENELEC Rules, the following countries are bound to implement this European Standard: Austria, Belgium, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxemburg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.

1 Scope

This standard specifies the characteristics of plain bushes in aluminium alloy with self-lubricating liner and the design recommendation of shafts and housings.

2 Field of application

The bushes are intended for operation within the temperature range of -55 °C to +150 °C and assembly with an interference fit into fixed and moving aerospace parts.

3 References

- EN 2086, Aluminium alloy 2618A-T851 (Al-P11-T851) - Forged bars and slabs $a \leq 150$ mm - Aerospace series 1)
- EN 2101, Aerospace series - Chromic acid anodizing of aluminium and wrought aluminium alloys 1)
- EN 2284, Aerospace series - Sulphuric acid anodizing of aluminium and wrought aluminium alloys 1)
- EN 2311, Aerospace series - Bushes with self lubricating liners - Technical specification

4 Required characteristics

4.1 Configuration - Dimensions - Tolerances - Masses

Configuration : see figure 1.

Dimensions, tolerances and masses : see figure 1 and table 1.

Dimensions and tolerances apply after surface treatment.

4.2 Surface roughness

See figure 1.

4.3 Materials

Bush : Aluminium alloy EN 2086.

Liner : Self-lubricating wear resistant material consistent with the requirements of EN 2311.

4.4 Surface treatment

Chromic acid anodizing EN 2101A or
Sulphuric acid anodizing EN 2284A.

1) Published as AECMA standard.