



SLOVENSKI STANDARD
oSIST prEN 2285:2024

01-maj-2024

Aeronavtika - Drsna puša iz aluminijeve zlitine s samomazalno oblogo - Mere in obremenitve

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

Luft- und Raumfahrt - Buchse aus Aluminium-Legierung mit selbstschmierender Beschichtung - Maße und Belastungen

Série aérospatiale - Bague cylindrique, en alliage d'aluminium, à garniture autolubrifiante - Dimensions et charges

Ta slovenski standard je istoveten z: prEN 2285

[oSIST prEN 2285:2024](#)

ICS:

49.025.20	Aluminij	Aluminium
49.030.99	Drugi vezni elementi	Other fasteners

oSIST prEN 2285:2024

en,fr,de

EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

DRAFT
prEN 2285

November 2023

ICS 49.030.99

Will supersede EN 2285:2017

English Version

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

Série aérospatiale - Bague cylindrique, en alliage d'aluminium, à garniture autolubrifiante - Dimensions et charges

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This draft European Standard is submitted to CEN members for enquiry. It has been drawn up by the Technical Committee ASD-STAN.

If this draft becomes a European Standard, 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.

This draft European Standard was established by CEN 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-CENELEC Management Centre has the same status as the official versions.

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Recipients of this draft are invited to submit, with their comments, notification of any relevant patent rights of which they are aware and to provide supporting documentation.

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

CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

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European foreword

This document (prEN 2285:2023) 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-STAN, prior to its presentation to CEN.

This document is currently submitted to the CEN Enquiry.

This document will supersede EN 2285:2017.

prEN 2285:2023 includes the following significant technical changes with respect to EN 2285:2017:

- normative references updated;
- EN 2424 introduced for marking;
- subclause 4.3 “Materials”: the different application temperatures of the possible materials are taken into account by a new additional code letter;
- document editorially revised.

Any feedback and questions on this document should be directed to the users’ national standards body. A complete listing of these bodies can be found on the CEN website.

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prEN 2285:2023 (E)

1 Scope

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

The bushes are intended for use in assembly with an interference fit into fixed and moving aerospace parts.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements 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 2086, *Aerospace series - Aluminium alloy AL-P2618A - T851 - Hand and die forgings - $a \leq 150$ mm*

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 2424, *Aerospace series - Marking of aerospace products*

prEN 2701, *Aerospace series - Aluminium alloy (2024) - Solution treated, water quench, cold worked and naturally aged (T3) - Drawn tube for structures - $0,6 \leq a \leq 12,5$ mm¹*

EN 2704, *Aerospace series - Aluminium alloy AL-P2024 - AlCu4Mg1 - T3511 - Drawn bars - $De \leq 75$ mm*

3 Terms and definitions

No terms and definitions are listed in this document.

ISO and IEC maintain terminology databases for use in standardization at the following addresses:

- ISO Online browsing platform: available at <https://www.iso.org/obp/>
- IEC Electropedia: available at <https://www.electropedia.org/>

4 Required characteristics

4.1 Configuration — Dimensions — Masses

Configuration: according to Figure 1.

Dimensions, masses: according to Figure 1 and Table 1.

Dimensions apply after surface treatment.

4.2 Surface roughness

According to Figure 1.

¹ Published as ASD-STAN Standard at the date of publication of this standard, <https://www.asd-stan.org/>.