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EN 2287

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English Version

**Aerospace series - Bush, plain, in corrosion resisting steel
with self-lubricating liner - Dimensions and loads**

Série aérospatiale - Bagues cylindriques en acier
résistant à la corrosion à garniture autolubrifiante -
Dimensions et charges

Luft- und Raumfahrt - Buchse ohne Flansch aus
korrosionsbeständigem Stahl mit selbstschmierender
Beschichtung - Maße und Belastungen

This European Standard was approved by CEN on 2 July 2017.

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EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
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European foreword

This document (EN 2287:2017) 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of an identical text or by endorsement, at the latest by February 2018, and conflicting national standards shall be withdrawn at the latest by February 2018.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN shall not be held responsible for identifying any or all such patent rights.

This document supersedes EN 2287:1989.

According to the CEN-CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

1 Scope

This European Standard specifies the characteristics of plain bushes in corrosion resisting steel with self-lubricating liner and the design recommendation of shafts and housings.

The bushes are intended for operation within the temperature range of 55 °C to 163 °C and assembly with an interference fit into fixed and moving aerospace parts.

2 Normative references

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

EN 2136, *Aerospaces — Steel FE-PM 42, $900 \text{ MPa} \leq R_m \leq 1100 \text{ MPa}$, bars $D_e \leq 100 \text{ mm}$ ¹⁾*

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

EN 2539, *Aerospace series — Steel FE-PM3801 (X5CrNiCu17-4) — Air melted — Solution annealed and precipitation treated — Bar, a or $D \leq 200 \text{ mm}$, $R_m \geq 965 \text{ MPa}$ ²⁾*

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