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NSAI Standards

Irish Standard
I.S. EN 4536-2:2009

Aerospace series - Bushes, plain in corrosion resisting steel with self-lubricating liner, elevated load - Part 2: Dimensions and loads - Inch series

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EUROPEAN STANDARD

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EUROPÄISCHE NORM

EN 4536-2

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English Version

Aerospace series - Bushes, plain in corrosion resisting steel with self-lubricating liner, elevated load - Part 2: Dimensions and loads - Inch series

Série aérospatiale - Bagues en acier résistant à la corrosion à garniture autolubrifiante, charge élevée - Partie 2: Dimensions et charges - Série en inches

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

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Foreword

This document (EN 4536-2:2009) 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of an identical text or by endorsement, at the latest by January 2010, and conflicting national standards shall be withdrawn at the latest by January 2010.

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1 Scope

This standard specifies the characteristics of plain bushes in corrosion resisting steel 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 163 °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 2311, *Aerospace series — Bushes with self-lubricating liner — Technical specification*

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

EN 3161, *Aerospace series — Steel FE-PM3801 (X5CrNiCu17-4) — Air melted, solution treated and precipitation treated, bar a or D ≤ 200 mm, Rm ≥ 930 MPa*

TR 4475, *Aerospace series — Bearings and mechanical transmissions for airframe applications — Vocabulary* [1)]

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

ISO 8075, *Aerospace — Surface treatment of hardenable stainless steel parts*

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.

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

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