

STN	Letectvo a kozmonautika Kíbové ložiská z nehrdzavejúcej ocele so samomaznou vrstvou Široký rad Zvýšené zaťaženia pri teplote okolia Rozmery a zaťaženia	STN EN 2585 31 4817
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Aerospace series - Bearing, spherical plain in corrosion resisting steel with self-lubricating liner - Wide series - Elevated load at ambient temperature - Dimensions and loads

Táto norma obsahuje anglickú verziu európskej normy.
This standard includes the English version of the European Standard.

Táto norma bola oznámená vo Vestníku ÚNMS SR č. 07/19

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EUROPEAN STANDARD

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English Version

Aerospace series - Bearing, spherical plain in corrosion resisting steel with self-lubricating liner - Wide series - Elevated load at ambient temperature - Dimensions and loads

Série aérospatiale - Rotule en acier résistant à la corrosion à garniture autolubrifiante - Série large - Charge élevée à température ambiante - Dimensions et charges

Luft- und Raumfahrt - Gelenklager aus korrosionsbeständigem Stahl mit selbstschmierender Beschichtung - Breite Reihe - Hohe Belastung bei Raumtemperatur - Maße und Belastungen

This European Standard was approved by CEN on 13 August 2018.

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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 (EN 2585:2019) 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of an identical text or by endorsement, at the latest by August 2019, and conflicting national standards shall be withdrawn at the latest by August 2019.

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This document supersedes EN 2585:2001 and EN 2023:1988.

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EN 2585:2019 (E)**1 Scope**

This standard specifies the characteristics of spherical plain bearings in corrosion resisting steel, with self-lubricating liner, wide series, for elevated load at ambient temperature, with or without swaging groove, intended for use in the 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 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.

ISO 1132-1, *Rolling bearings — Tolerances — Part 1: Terms and definitions*

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

EN 2030, *Aerospace series — Steel X105CrMo17 (1.3544) — Hardened and tempered — Bars $D_e \leq 150\text{ mm}$*

EN 2132, *Aerospace series — Electrodeposition of Chromium for Engineering Purposes¹⁾*

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

EN 2755, *Aerospace series — Bearings, spherical plain in corrosion resisting steel with self-lubricating liner — Elevated load at ambient temperature — Technical specification*

EN 3161, *Aerospace series — Steel FE-PM3801 (X5CrNiCu17-4) — Air melted, solution treated and precipitation treated — Bar a or $D \leq 200\text{ mm}$ — $R_m \geq 930\text{ MPa}$*

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