

STN	Letectvo a kozmonautika Kíbové ložiská z nehrdzavejúcej ocele so samomaznou vrstvou, široký rad Rozmery a zaťaženia Palcový rad	STN EN 4614 31 4822
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Aerospace series - Spherical plain bearing in corrosion resisting steel with self-lubricating liner, wide series - Dimensions and loads - Inch series

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

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EUROPEAN STANDARD

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NORME EUROPÉENNE

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English Version

Aerospace series - Spherical plain bearing in corrosion resisting steel with self-lubricating liner, wide series - Dimensions and loads - Inch series

Série aérospatiale - Rotule lisse, en acier résistant à la
corrosion, à garniture autolubrifiante, série large -
Dimensions et charges - Série en inches

Luft- und Raumfahrt - Gelenklager aus
korrosionsbeständigem Stahl mit selbstschmierender
Beschichtung, breite Reihe - Maße und Belastungen -
Inch Reihe

This European Standard was approved by CEN on 12 July 2020.

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

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European foreword

This document (EN 4614:2021) 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 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of an identical text or by endorsement, at the latest by April 2022, and conflicting national standards shall be withdrawn at the latest by April 2022.

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.

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EN 4614:2021 (E)**1 Scope**

This document specifies the characteristics of a bearing, spherical plain in corrosion resisting steel with self-lubricating liner, wide series for aerospace applications.

These bearings are not intended for use of moving parts especially for control mechanism and operating system. 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.

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

EN 2133, *Aerospace series — Cadmium plating of steels with specified tensile strength $\leq 1\,450\text{ MPa}$, copper, copper alloys and nickel alloys*

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

EN 2755, *Aerospace series — Bearing, 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 $D \leq 200\text{ mm}$ — $R_m \geq 930\text{ MPa}$*

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

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

TR 4475, *Bearings and mechanical transmissions for airframe applications — Vocabulary*¹

koniec náhľadu – text ďalej pokračuje v platenej verzii STN

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