

<b>STN</b>	<b>Letectvo a kozmonautika</b> <b>Kíbové ložiská z nehrdzavejúcej ocele so</b> <b>samomaznou vrstvou</b> <b>Zvýšené zaťaženia pri teplote okolia</b> <b>Technická špecifikácia</b>	<b>STN</b> <b>EN 2755</b>  31 4823
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Aerospace series - Bearing, spherical, plain in corrosion resisting steel with self-lubricating liner - Elevated load at ambient temperature - Technical specification

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. 01/22

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Supersedes EN 2755:2009

English Version

## Aerospace series - Bearing, spherical, plain in corrosion resisting steel with self-lubricating liner - Elevated load at ambient temperature - Technical specification

Série aérospatiale - Rotule, en acier résistant à la  
corrosion à garniture autolubrifiante - Série à charge  
élevée à température ambiante - Spécification  
technique

Luft- und Raumfahrt - Gelenklager, aus  
korrosionsbeständigem Stahl mit selbstschmierender  
Beschichtung - Reihe hohe Belastungen bei  
Raumtemperatur - Technische Lieferbedingungen

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

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. Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the CEN-CENELEC Management Centre or to any CEN member.

This European Standard exists 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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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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**EN 2755:2021 (E)****European foreword**

This document (EN 2755:2021) 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-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 May 2022, and conflicting national standards shall be withdrawn at the latest by May 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.

This document supersedes EN 2755:2009.

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, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Republic of North Macedonia, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

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.

## 1 Scope

This document specifies the required characteristics, inspection and test methods, qualification and acceptance conditions for a spherical plain bearing in corrosion resisting steel, with self-lubricating liner, for elevated loads at ambient temperature intended for use in fixed or moving parts of the aircraft structure and control mechanisms.

This document applies whenever referenced.

## 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 2064, *Aerospace series — Bearings, spherical plain in corrosion resisting steel with self-lubricating liner — Technical specification*

EN 2584, *Aerospace series — Bearings, spherical plain in corrosion resisting steel with self-lubricating liner — Narrow series — Elevated loads at ambient temperature — Dimensions and loads*

EN 2585, *Aerospace series — Bearing, spherical plain in corrosion resisting steel with self-lubricating liner — Wide series — Elevated load at ambient temperature — Dimensions and loads*

EN 3048, *Aerospace series — Bearings, spherical plain in corrosion resisting steel with self-lubricating liner — Light series — Elevated load at ambient temperature — Dimensions and loads*

EN 4037, *Aerospace series — Bearings, spherical plain in corrosion resisting steel with self-lubricating liner, reduced starting torque — Light series — Dimensions and loads<sup>1</sup>*

EN 4038, *Aerospace series — Bearings, spherical plain in corrosion resisting steel with self-lubricating liner reduced starting torque — Normal narrow series — Dimensions and loads<sup>1</sup>*

EN 4039, *Aerospace series — Bearings, spherical plain in corrosion resisting steel with self-lubricating liner reduced starting torque — Normal wide series — Dimensions and loads<sup>1</sup>*

EN 4040, *Aerospace series — Bearings, spherical plain in corrosion resisting steel with self-lubricating liner with wide inner ring — Elevated loads at ambient temperature — Dimensions and loads*

EN 4613, *Aerospace series — Spherical plain bearings in corrosion resisting steel with self-lubricating liner, narrow series — Dimensions and loads — Inch series*

EN 4614, *Aerospace series — Spherical plain bearings in corrosion resisting steel with self-lubricating liner, wide series — Dimensions and loads — Inch series*

EN 6096, *Aerospace series — Bearing, spherical plain with self-lubricating liner, extra wide inner ring in corrosion resisting steel — Dimensions and loads — Inch series*

EN 9100, *Quality Management Systems — Requirements for Aviation, Space and Defence Organizations*

EN 10204, *Metallic products — Types of inspection documents*

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<sup>1</sup> Published as ASD-STAN Prestandard at the date of publication of this standard by AeroSpace and Defence Industries Association of Europe – Standardization (ASD-STAN) ([www.asd-stan.org](http://www.asd-stan.org)).

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ISO 11078, *Aircraft — De-icing/anti-icing fluids, ISO types II, III and IV*

TR 4475, *Aerospace series — Bearings and mechanical transmissions for airframe applications — Vocabulary*<sup>2</sup>

**koniec náhľadu – text ďalej pokračuje v platenej verzii STN**

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<sup>2</sup> Published as ASD-STAN Technical Report at the date of publication of this standard by AeroSpace and Defence Industries Association of Europe – Standardization (ASD-STAN) ([www.asd-stan.org](http://www.asd-stan.org)).