



**NSAI**  
Standards

Irish Standard  
I.S. EN 2755:2009

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

## I.S. EN 2755:2009

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<b>NSAI</b> 1 Swift Square, Northwood, Santry Dublin 9	T +353 1 807 3800 F +353 1 807 3838 E standards@nsai.ie W <b>NSAI.ie</b>	<b>Sales:</b> T +353 1 857 6730 F +353 1 857 6729 W standards.ie
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EUROPEAN STANDARD

**EN 2755**

NORME EUROPÉENNE

EUROPÄISCHE NORM

July 2009

ICS 49.035

English Version

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

Série aérospatiale - Rotules 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 16 April 2009.

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**Management Centre: Avenue Marnix 17, B-1000 Brussels**

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<b>E.3.2</b>	To obtain the qualification of the other dimensions, the selected plain bearings should pass according to this standard: .....	<b>34</b>
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## **Foreword**

This document (EN 2755:2009) 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of an identical text or by endorsement, at the latest by January 2010, and conflicting national standards shall be withdrawn at the latest by January 2010.

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

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, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and the United Kingdom.

## 1 Scope

This standard specifies the required characteristics, inspection and test methods, qualification and acceptance conditions for spherical plain bearings 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 standard applies whenever referenced.

## 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 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 — Bearings, 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*<sup>1</sup>

EN 4614, *Aerospace series — Spherical plain bearings in corrosion resisting steel with self-lubricating liner, wide series — Dimensions and loads — Inch series*<sup>1</sup>

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

EN 9100, *Aerospace series — Quality management systems — Requirements (based on ISO 9001:2000) and Quality systems — Model for quality assurance in design, development, production, installation and servicing (based on ISO 9001:1994)*

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<sup>1</sup> In preparation at the date of publication of this standard.

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