



BSI Standards Publication

Aerospace series — Rod end, adjustable, with self-aligning double row ball bearing and threaded shank, in corrosion resisting steel, reduced internal radial clearance — Dimensions and loads

National foreword

This British Standard is the UK implementation of [EN 4036:2021](#). It supersedes [BS EN 4036:2006](#), which is withdrawn.

The UK participation in its preparation was entrusted to Technical Committee ACE/12, Aerospace fasteners and fastening systems.

A list of organizations represented on this committee can be obtained on request to its committee manager.

This publication does not purport to include all the necessary provisions of a contract. Users are responsible for its correct application.

© The British Standards Institution 2021
Published by BSI Standards Limited 2021

ISBN 978 0 539 05378 4

ICS 49.035

Compliance with a British Standard cannot confer immunity from legal obligations.

This British Standard was published under the authority of the Standards Policy and Strategy Committee on 31 March 2021.

Amendments/corrigenda issued since publication

Date	Text affected
------	---------------

English Version

**Aerospace series - Rod end, adjustable, with self-aligning
double row ball bearing and threaded shank, in corrosion
resisting steel, reduced internal radial clearance -
Dimensions and loads**

Série aérospatiale - Embout réglable à roulement
à rotule sur deux rangées de billes et tige
filetée, en acier résistant à la corrosion, jeu
interne radial réduit - Dimensions et charges

Luft- und Raumfahrt - Einstellbarer Ösenkopf mit
zweireihigem Pendelkugellager und Gewindeschäft
aus korrosionsbeständigem Stahl, reduzierte
radiale Lagerluft - Maße und Belastungen

This European Standard was approved by CEN on 13 February 2021.

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.

CEN members are the national standards bodies of 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 United Kingdom.



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

CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

Contents

Page

European foreword	iii
1 Scope	4
2 Normative references	4
3 Terms and definitions	5
4 Required characteristics	5
4.1 Dimensions — Tolerances — Masses	5
4.2 Surfaces roughness	5
4.3 Materials	5
4.4 Surface treatment	5
4.5 Thread	6
4.6 Loads, starting torques and clearances	8
5 Designation	9
6 Marking	9
7 Technical specification	9
8 Quality management systems	9
Bibliography	10

European foreword

This document ([EN 4036:2021](#)) 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, prior to its presentation to CEN.

This document shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by September 2021, and conflicting national standards shall be withdrawn at the latest by September 2021.

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 will supersede [EN 4036:2006](#).

According to the CEN-CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this document: 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.