Draft for Public Comment

Form 36

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Responsible committee: ACE/12 Aerospace fasteners and fastening systems

Interested committees:

Title: Draft BS EN 6129 BS Aerospace series - Blind bolt, protruding head, high strength, pulltype.

Please notify the secretary if you are aware of any keywords that might assist in classifying or identifying the standard or if the content of this standard

i) has any issues related to 3rd party IPR, patent or copyright
ii) affects other national standard(s)
iii) requires additional national guidance or information

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This draft is issued to allow comments from interested parties; all comments will be given consideration prior to publication. No acknowledgement will normally be sent. **See overleaf for information on the submission of comments.**

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Introduction

This draft standard is based on national and international discussions. Your comments on this draft are invited and will assist in the preparation of the consequent standard.

For international standards, comments will be reviewed by the relevant UK national committee before sending the consensus UK vote and comments to the international committee, which will then decide appropriate action. If the international standard is approved, it is usual for the text to be published as a British Standard.

For national standards, comments will be reviewed by the relevant UK national committee and the resulting standards published as a British Standard.

UK Vote

Please indicate whether you consider the UK should submit a negative (with supporting technical reasons) or positive vote on this draft. Please indicate if you are aware of any reason why this draft standard should not be published as a British Standard.

Submission of Comments

- **Annotated drafts are not acceptable and will be rejected.**
- All comments should be submitted online at **https://standardsdevelopment.bsigroup.com/**. You will need to register in order to comment.

Template for comments and secretariat observations

Date: xx/xx/20xx	Document: ISO/DIS xxxx

1	2	(3)	4	5	(6)	7
MB	Clause No./ Subclause No./Annex **(e.g. 3.1)**	Paragraph/ Figure/Table/Note	**Type of comment**	**Commend (justification for change) by the MB**	**Proposed change by the MB**	**Secretariat observations on each comment submitted**
	3.1	Definition 1	ed	Definition is ambiguous and needs clarifying.	Amend to read '...so that the mains connector to which no connection...'	
	6.4	Paragraph 2	te	The use of the UV photometer as an alternative cannot be supported as serious problems have been encountered in its use in the UK.	Delete reference to UV photometer.	

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EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

DRAFT
prEN 6129

July 2024

ICS 49.030.20

Will supersede EN 6129:2016

English Version

Aerospace series - Blind bolt, protruding head, high strength, pulltype

Série aérospatiale - Boulon aveugle, tête protubérante, haute résistance, installation en tirant

Luft- und Raumfahrt - Blindniet, Universalkopf, hochfest (Zugtyp)

This draft European Standard is submitted to CEN members for enquiry. It has been drawn up by the Technical Committee ASD-STAN.

If this draft becomes a European Standard, 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.

This draft European Standard was established by CEN 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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Recipients of this draft are invited to submit, with their comments, notification of any relevant patent rights of which they are aware and to provide supporting documentation.

Warning : This document is not a European Standard. It is distributed for review and comments. It is subject to change without notice and shall not be referred to as a European Standard.

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 (prEN 6129:2024) has been prepared by ASD-STAN.

After enquiries and votes carried out in accordance with the rules of this Association, this document 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 document is currently submitted to the CEN Enquiry.

This document will supersede EN 6129:2016.

The main changes compared to the previous edition are as follows:

a) Figure 1 and Figure 2 updated (dimension *Q* removed);

b) dimension *Q* removed in Table 1 accordingly;

c) Table 1, Table 2 and Table 3: Single values corrected and hole limits removed;

d) Table 5 and Table 6 updated according to updated normative references and preferred options.

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1 Scope

This document specifies the configuration, dimensions, tolerances and mass of a stainless steel blind bolt with protruding head for aerospace application.

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 2424, *Aerospace series — Marking of aerospace products*

EN 4473, *Aerospace series — Aluminium pigmented coatings for fasteners — Technical specification*

DOD-L-85645,[1] *Lubricant, Dry Film, Molecular Bonded*

MIL-PRF-46010,[1] *Lubricant, Solid Film, Heat Cured, Corrosion Inhibiting NATO Code – S-1738*

NASM8975,[2] *Fastener, Blind, High Strength, Installation Formed, Cres, Heat Resistant Steel and Titanium, General Specification for*

SAE AMS2700,[3] *Passivation of Corrosion Resistant Steels*

SAE AMS5687,[3] *Nickel Alloy, Corrosion- and Heat-Resistant, Wire 74Ni-15,5Cr-8,0Fe Annealed*

SAE AMS5690,[3] *Steel, Corrosion and Heat Resistant, Wire, 17Cr-12N-2.5Mo (316), Solution Heat Treated*

SAE AMS5737,[3] *Steel, Corrosion and Heat Resistant, Bars, Wire, Forgings, Mechanical Tubing, and Stock for Forging and Heading 15Cr-25,5Ni-1,2Mo-2,1Ti-0,006B-0,30V (A286) Consumable Electrode Remelted, 1650 °F (899 °C) Solution and Precipitation Heat Treated*

SAE AS5272,[3] *Lubricant, Solid Film; Heat Cured, Corrosion Inhibiting Procurement Specification*

SAE AS87132,[3] *Lubricant, Cetyl Alcohol, 1-Hexadecanol, Application to Fasteners*

3 Terms and definitions

No terms and definitions are listed in this document.

ISO and IEC maintain terminology databases for use in standardization at the following addresses:

— ISO Online browsing platform: available at https://www.iso.org/obp/

— IEC Electropedia: available at https://www.electropedia.org/

[1] Published by Department of Defense (DoD), available at: https://assist.dla.mil/.
[2] Published by Aerospace Industries Association (AIA), available at: https://www.aia-aerospace.org/.
[3] Published by: Society of Automotive Engineers (SAE), available at: https://www.sae.org/.

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