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Aerospace series - Rivet, 100° reduced flush head, close tolerance - Inch series



EESTI STANDARDI EESSÕNA

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EUROPEAN STANDARD

EN 6069

NORME EUROPÉENNE

EUROPÄISCHE NORM

December 2022

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Supersedes EN 6069:2009

English Version

Aerospace series - Rivet, 100° reduced flush head, close tolerance - Inch series

Série aérospatiale - Rivets de précision, tête fraisée réduite 100° - Série en inches

Luft- und Raumfahrt - Vollniet, 100° reduzierter Senkkopf, enge Toleranz - Inch-Reihe

This European Standard was approved by CEN on 30 May 2021.

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European foreword

This document (EN 6069:2022) 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 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 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of an identical text or by endorsement, at the latest by June 2023, and conflicting national standards shall be withdrawn at the latest by June 2023.

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Introduction

This document is published at Airbus agreed version prEN 6069 edition P4. Former issue 1 to 3 and drafts may exist of Airbus development only but without any ASD-STAN official publication. In consequence configuration management discrepancies with these unofficial documents are under Airbus responsibility.

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1 Scope

This document specifies the dimensions, tolerances and mass of rivets with 100° reduced flush head, close tolerance, inch series, for aerospace applications.

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 2115, *Aerospace series — Aluminium alloy 2117-T42 — Wire for solid rivets — $D \leq 10$ mm*

EN 2116, *Aerospace series — Aluminium alloy 2017A-T42 — Wire for solid rivets — $D \leq 10$ mm*

EN 2117, *Aerospace series — Aluminium alloy AL-P5056A (5056A)-H32 — Wire for solid rivets — $D \leq 10$ mm*

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

EN 2941, *Aerospace series — Nickel alloy rivets — Technical specification*

EN 3115, *Aerospace series — Aluminium alloy 7050-T73 — Wire for solid rivets — $D \leq 10$ mm*

EN 4372, *Aerospace series — Heat resisting nickel alloy with copper NI-PD9001 (NiCu31) — Wire for solid rivets — $D \leq 10$ mm*

prEN 6104, *Aerospace series — Rivets, solid, in aluminium or aluminium alloy — Inch series — Technical specification*¹

prEN 6118, *Aerospace series — Process specification — Aluminium base protection for fasteners*

ISO 8080, *Aerospace — Anodic treatment of titanium and titanium alloys — Sulfuric acid process*

MIL-A-8625, *Anodic Coatings for Aluminum and Aluminum Alloys*²

MIL-DTL-5541, *Chemical Conversion Coatings on Aluminum and Aluminum alloys*²

NASM5674, *Rivets, Structural, Aluminium Alloy, Titanium Columbium Alloy, General Specification for*³

NAS9800, *Head Protrusion Gaging, 100° Flush Head Fasteners, Gage Block, Gage diameters and Stylus*³

SAE AMS 4982, *Titanium Alloy Wire 44.5 Cb*⁴

¹ Published as ASD-STAN Prestandard at the date of publication of this European standard by AeroSpace and Defence Industries Association of Europe – Standardization (ASD-STAN) (www.asd-stan.org).

² Published by: Department of Defense (DoD), the Pentagon, Washington, D.C., 20307, USA.

³ Published by: Aerospace Industries Association of America, Inc. (AIA), 1250 Eye Street, N.W., Washington, D.C. 20005-3924, USA.

⁴ Published by: Society of Automotive Engineers (SAE), 400 Commonwealth Drive, Warrendale, PA 15096-0001, USA.