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Aerospace series - Washers for rivet assemblies, in aluminium alloy, anodized, metric series

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

See Eesti standard EVS-EN 3902:2016 sisaldab Euroopa standardi EN 3902:2016 ingliskeelset teksti.	This Estonian standard EVS-EN 3902:2016 consists of the English text of the European standard EN 3902:2016.
Standard on jõustunud sellekohase teate avaldamisega EVS Teatajas	This standard has been endorsed with a notification published in the official bulletin of the Estonian Centre for Standardisation.
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ICS 49.030.50

English Version

Aerospace series - Washers for rivet assemblies, in aluminium alloy, anodized, metric series

Série aérospatiale - Rondelles pour assemblages par rivets, en alliage d'aluminium, anodisées, série métrique

Luft- und Raumfahrt - Scheiben für Nietverbindungen, aus Aluminiumlegierung, anodisiert, metrische Reihe

This European Standard was approved by CEN on 12 March 2016.

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European foreword

This document (EN 3902:2016) 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of an identical text or by endorsement, at the latest by June 2017, and conflicting national standards shall be withdrawn at the latest by June 2017.

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1 Scope

This European Standard specifies the characteristics of washers for rivet assemblies, in aluminium alloy, anodized, metric series, for maximum operating temperature 120 °C, for aerospace applications.

2 Normative references

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

EN 2090, *Aerospace series — Aluminium alloy AL-P2024- — T3 — Clad sheet and strip — $0,3 \text{ mm} \leq a \leq 6 \text{ mm}$*

EN 2091, *Aerospace series — Aluminium alloy 2024-T4 — Clad sheet and strip — $0,4 \leq a \leq 6 \text{ mm}$ 1)*

EN 2284, *Aerospace series — Sulphuric acid anodizing of aluminium and wrought aluminium alloys*

EN 2320, *Aerospace series — Aluminium alloy 2024-T4 — Drawn bar $a \leq 75 \text{ mm}$ 1)*

EN 2321, *Aluminium alloy 2024-T3 — Bars and sections $a \leq 150 \text{ mm}$ — Aerospace series 1)*

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

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

3 Required characteristics

3.1 Configuration - Dimensions - Masses

See Figure 1 and Table 1. Dimensions and tolerances are in millimetres and apply after surface treatment.

3.2 Materials

EN 2090, EN 2091, EN 2320 or EN 2321

3.3 Surface treatment

EN 2284B

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