

Aerospace series - Receptacle, floating, double lug

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

See Eesti standard EVS-EN 6092:2016 sisaldab Euroopa standardi EN 6092:2016 ingliskeelset teksti.	This Estonian standard EVS-EN 6092:2016 consists of the English text of the European standard EN 6092:2016.
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English Version

Aerospace series - Receptacle, floating, double lug

Série aérospatiale - Réceptacle, flottant, double patte

Luft- und Raumfahrt - Haltenocken, schwimmend,
zweiseitig

This European Standard was approved by CEN on 11 March 2016.

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European foreword

This document (EN 6092:2016) 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of an identical text or by endorsement, at the latest by February 2017, and conflicting national standards shall be withdrawn at the latest by February 2017.

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1 Scope

This European Standard specifies the dimensions, tolerances, required characteristics and mass of a receptacle for use in fuselage interior equipment and structural applications. This standard shall be used in conjunction with studs per EN 6088 or EN 6105.

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.

DIN 17850, *Titanium, chemical composition*

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

EN 2516, *Aerospace series — Passivation of corrosion resistant steels and decontamination of nickel base alloys*

EN 2808, *Aerospace series — Anodizing of titanium and titanium alloys*

EN 6088, *Aerospace series — Stud*¹⁾

EN 6089, *Aerospace series — Washer, retaining, for usage with stud EN 6088*¹⁾

EN 6090, *Aerospace series — Washer, retaining*¹⁾

EN 6091, *Aerospace series — Circlip*¹⁾

EN 6094, *Aerospace series — Washer, spring, countersunk*¹⁾

EN 6095, *Aerospace series — Rotary fasteners — Structural and non-structural applications — Technical specification*¹⁾

EN 6105, *Aerospace series — Stud with shoulder*¹⁾

EN 10088-3, *Stainless steels — Part 3: Technical delivery conditions for semi-finished products, bars, rods, wire, sections and bright products of corrosion resisting steels for general purposes*

EN 10270-1, *Steel wire for mechanical springs — Part 1: Patented cold drawn unalloyed spring steel wire*

EN 10270-3, *Steel wire for mechanical springs — Part 3: Stainless spring steel wire*

ISO 2768-1, *General tolerances — Part 1: Tolerances for linear and angular dimensions without individual tolerance indications*

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

SAE AMS 2700, *Passivation of corrosion resistant steels*²⁾

¹⁾ Published as ASD-STAN Prestandard at the date of publication of this standard (www.asd-stan.org).

²⁾ Published by: Society of Automotive Engineers (SAE), 400 Commonwealth Drive, Warrendale, PA 15096-0001, USA

SAE AMS 5528, *Steel, corrosion resistant, sheet, strip and plate, 17Cr-7.1Ni-1.1Al, solution heat treated, precipitation hardenable*²⁾

SAE AS 8879, *Screw threads — UNJ profile, inch controlled radius root with increased minor diameter*²⁾

MIL-DTL-83488, *Coating, aluminium, high purity*³⁾

MIL-PRF-46010, *Lubricant, solid film, heat cured, corrosion inhibiting*³⁾

3 Requirements

3.1 Configuration, dimensions and tolerances

The configuration, dimensions and tolerances shall conform with Figure 1.

Dimensions and tolerances are expressed in millimetres.

Tolerances not specified shall be in accordance with ISO 2768-1 (Tolerance class: ISO 2768-m).

All dimensions and tolerances apply after surface treatment.

All burrs to be removed/sharp edges to be broken.

³⁾ Published by: Department of Defense (DoD), the Pentagon, Washington, D.C., 20307, USA.