ICS 49.060 SLOVENSKÁ TECHNICKÁ NORMA Január 2024

| STN | **Letectvo a kozmonautika**<br>**Pohyblivé objímky s jednou prírubou** | **STN**<br>**EN 6093**<br><br>31 3298 |
|---|---|---|

Aerospace series - Receptacle, floating, single lug

Táto norma obsahuje anglickú verziu európskej normy.
This standard includes the English version of the European Standard.

Táto norma bola oznámená vo Vestníku ÚNMS SR č. 12/23

Obsahuje: EN 6093:2023

# EUROPEAN STANDARD
# NORME EUROPÉENNE
# EUROPÄISCHE NORM

# EN 6093

August 2023

ICS 49.060

English Version

## Aerospace series - Receptacle, floating, single lug

Série aérospatiale - Réceptacle, flottant, simple patte

Luft- und Raumfahrt - Haltenocken, schwimmend, einseitig

This European Standard was approved by CEN on 9 July 2023.

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, Türkiye 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**



Ref. No. EN 6093:2023 E

# Contents

Page

# European foreword

This document (EN 6093:2023) 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 February 2024, and conflicting national standards shall be withdrawn at the latest by February 2024.

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.

Any feedback and questions on this document should be directed to the users' national standards body. A complete listing of these bodies can be found on the CEN website.

According to the CEN-CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: 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, Türkiye and the United Kingdom.

# 1 Scope

This document specifies the dimensions, tolerances, required characteristics and mass of a receptacle for use in fuselage interior equipment and structural applications. This document is intended to be used in conjunction with studs according to EN 6088[1] or EN 6105.

# 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.

DIN 17850:1990-11, *Titanium — Chemical composition*

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

EN 2491, *Aerospace series — Molybdenum disulphide dry lubricants — Coating methods*

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

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

EN 6092, *Aerospace series — Receptacle, floating, double lug*

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

EN 6095,[2] *Aerospace series — Rotary fasteners —Structural and non-structural applications — Technical specification*

EN 6105, *Aerospace series — Stud with shoulder*

EN 6118,[3] *Aerospace series — Process specification — Aluminium base protection for fasteners*

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 ISO 6931-1, *Stainless steels for springs — Part 1: Wire (ISO 6931-1)*

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*

MIL-DTL-83488,[4] *Coating, Aluminum, High Purity*

MIL-PRF-46010,[4] *Lubricant, Solid Film, Heat Cured, Corrosion Inhibiting NATO Code — S-1738*

---

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

2 Under preparation. Current stage is FprEN 6095.

3 Under preparation. Current stage is prEN 6118.

4 Published by Department of Defense (DoD), available at: https://assist.dla.mil/

SAE AMS 2700,[5] *Passivation of Corrosion Resistant Steels*

SAE AMS 5528,[5] *Steel, Corrosion-Resistant, Sheet, Strip, and Plate, 17Cr — 7.1Ni — 1.1Al, Solution Heat Treated, Precipitation Hardenable*

SAE AS 8879,[5] *Screw threads — UNJ Profile, Inch Controlled Radius Root with Increased Minor Diameter*



[5] Published by Society of Automotive Engineers (SAE), available at: https://www.sae.org/