

<b>STN</b>	<b>Letectvo a kozmonautika</b> <b>Ťahadlo s integrovanými skrutkami</b> <b>Poistná svorka</b>	<b>STN</b> <b>EN 4692</b>  31 4722
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Aerospace series - Tie Rod with integrated bolts -Locking clip

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. 02/18

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Podľa zákona č. 264/1999 Z. z. o technických požiadavkách na výrobky a o posudzovaní zhody a o zmene a doplnení niektorých zákonov v znení neskorších predpisov sa slovenská technická norma a časti slovenskej technickej normy môžu rozmnožovať alebo rozširovať len so súhlasom slovenského národného normalizačného orgánu.

EUROPEAN STANDARD

**EN 4692**

NORME EUROPÉENNE

EUROPÄISCHE NORM

October 2017

ICS 49.035

English Version

## Aerospace series - Tie Rod with integrated bolts -Locking clip

Série aérospatiale - Bielle avec axes intégrés - Clip de verrouillage

Luft- und Raumfahrt - Zug-Druck Stange mit integriertem Bolzen - Verriegelungsklipp

This European Standard was approved by CEN on 25 June 2016.

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EUROPEAN COMMITTEE FOR STANDARDIZATION  
COMITÉ EUROPÉEN DE NORMALISATION  
EUROPÄISCHES KOMITEE FÜR NORMUNG

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## European foreword

This document (EN 4692:2017) 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of an identical text or by endorsement, at the latest by April 2018, and conflicting national standards shall be withdrawn at the latest by April 2018.

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.

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## Introduction

Aerospace and Defence Standardization (ASD-STAN) draws attention to the fact that it is claimed that compliance with this document may involve the use of a patent:

- USA: US 8371767,
- China: CN 10104431,
- Japan: JP 4885140,
- Russia: RU 2389914,
- South Africa: ZA 2007/03913,
- Canada: 2584387,
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ASD-STAN takes no position concerning the evidence, validity and scope of this patent right.

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## 1 Scope

This standard shows the locking clips for the construction kit of rod assemblies for aerospace applications with two adjustable ends with integrated bolts for interior and sub structure in the temperature range  $-55\text{ °C}$  to  $85\text{ °C}$  (EN 4691-2).

## 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 65038-2, *Aerospace — Bars of steel, nickel alloys and cobalt alloys for aircraft — Technical specification, sampling*

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

EN 4528, *Aerospace series — Steel FE-PA3903 (X10CrNi18-8) — Cold rolled — Strip for springs —  $a \leq 3\text{ mm}$  —  $1\,250\text{ MPa} \leq R_m \leq 1\,640\text{ MPa}$*

EN 4691-1, *Aerospace series — Tie rod with integrated bolts — Part 1: Technical specification*

EN 4691-2, *Aerospace series — Tie rod with integrated bolts — Part 2: Overview construction kit*

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

ISO 2768-2, *General tolerances — Part 2: Geometrical tolerances for features without individual tolerance indications*

ISO 8075, *Aerospace — Surface treatment of hardenable stainless steel parts*

WL 1.4548 (all parts), *Aerospace — Precipitation-hardening stainless chromium-nickel-copper steel with approx. 0,05C-16Cr-4Cu-4Ni*

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