

SLOVENSKI STANDARD SIST EN 4691-2:2018

01-marec-2018

Aeronavtika - Zglobna ročica z vgrajenim sornikom - 2. del: Komplet za pregledovanje konstrukcije

Aerospace series - Tie rod with integrated bolts - Part 2: Overview construction kit

Luft- und Raumfahrt - Zug-Druck Stange mit integrierten Bolzen - Teil 2: Baukastenübersicht

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Série aérospatiale - Bielle avec axes intégrés - Partie 2: Vue d'ensemble

Ta slovenski standard je istoveten z SISTEN 4801-2018 1 1 2018 1

fa671f44af4e/sist-en-4691-2-2018

ICS:

49.035 Sestavni deli za letalsko in Components for aerospace

vesoljsko gradnjo construction

SIST EN 4691-2:2018 en,fr,de

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January 2018

ICS 49.035

English Version

Aerospace series - Tie rod with integrated bolts - Part 2: Overview construction kit

Série aérospatiale - Bielle avec axes intégrés - Partie 2: Vue d'ensemble Luft- und Raumfahrt - Zug-Druck Stange mit integrierten Bolzen - Teil 2: Baukastenübersicht

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

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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, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and United Kingdom

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

CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

EN 4691-2:2018 (E)

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EN 4691-2:2018 (E)

European foreword

This document (EN 4691-2:2018) 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 July 2018 and conflicting national standards shall be withdrawn at the latest by July 2018.

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, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom

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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;
- South Korea: 7011559.

ASD-STAN takes no position concerning the evidence, validity and scope of this patent right.

The holder of this patent right has assured ASD-STAN that he/she is willing to negotiate licences under reasonable and non-discriminatory terms and conditions with applicants throughout the world. In this respect, the statement of the holder of this patent right is registered with ASD-STAN. Information may be obtained from:

SIST EN 4691-2:2018

TRIGUM Engineering GmbH Brunskamp 4 D-21220 Seevetal/Maschen

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights other than those identified above. ASD-STAN shall not be held responsible for identifying any or all such patent rights.

1 Scope

This European Standard presents 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 °C to 85 °C.

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.

 ${\tt EN~4692}, Aerospace~series -- {\tt Tie~rod~with~integrated~bolts} -- {\tt Locking~clip}$

EN 4693, Aerospace series — Tie rod with integrated bolts — Assembly code A, B and C

EN 4694, Aerospace series — Tie rod with integrated bolts — Assembly code D, E and F

EN 4695, Aerospace series — Tie rod with integrated bolts — Assembly code G, H and K

3 EN 4693: Assembly code A, B and C

Assembly code A, B and C are shown in Figure 1, Figure 2 and Figure 3. These parts are designed for lower tension and compression loads, rod diameter $d_1 = 20$ mm.

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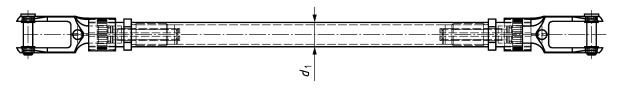


Figure 1 — Assembly code A





Figure 2 — Assembly code B



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Figure 3 — Assembly code C

4 EN 4694: Assembly code D, E and F

Assembly code D, E and F are shown in Figure 4, Figure 5 and Figure 6. These parts are designed for higher tension and compression loads, rod diameter d_1 = 25,4 mm.



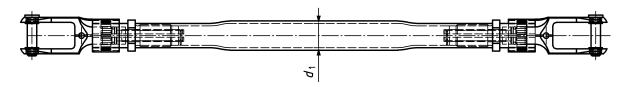


Figure 4 — Assembly code D



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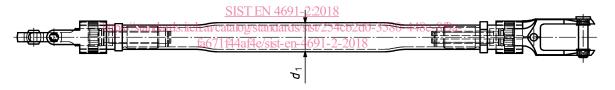


Figure 5 — Assembly code E



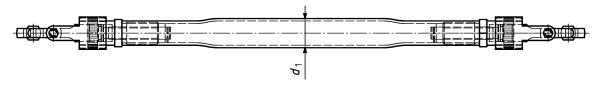


Figure 6 — Assembly code F