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



EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

	This Estonian standard EVS-EN 4691-2:2018 consists of the English text of the European standard EN 4691-2:2018.
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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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.

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.

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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

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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of an identical text or by endorsement, at the latest by July 2018 and conflicting national standards shall be withdrawn at the latest by July 2018.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, c via, . . . ovenia, . Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom

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;

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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.

EN 4692, Aerospace series — Tie rod with integrated bolts — 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.



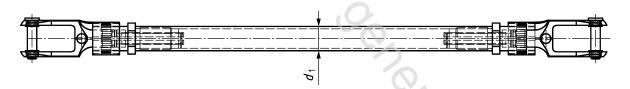


Figure 1 — Assembly code A