

**Lennunduse ja kosmonautika seeria. Väikese tolerantsiga normaalvarvaga ja lühikese keermega, tavalise kuuskantpeaga poldid, passiveeritud, kuumus- ja korrosioonikindlast terasest. Klassifikatsioon: 1 100 MPa (ümbritseva keskkonna temperatuuril) /425 °C**

Aerospace series - Bolts, normal hexagonal head, close tolerance normal shank, short thread, in heat and corrosion resisting steel, passivated - Classification: 1100 MPa (at ambient temperature/425 °C)

## EESTI STANDARDI EESSÕNA

## NATIONAL FOREWORD

Käesolev Eesti standard EVS-EN 3052:2009 sisaldb Euroopa standardi EN 3052:2009 ingliskeelset teksti.	This Estonian standard EVS-EN 3052:2009 consists of the English text of the European standard EN 3052:2009.
Standard on kinnitatud Eesti Standardikeskuse 31.08.2009 käskkirjaga ja jõustub sellekohase teate avaldamisel EVS Teatajas.	This standard is ratified with the order of Estonian Centre for Standardisation dated 31.08.2009 and is endorsed with the notification published in the official bulletin of the Estonian national standardisation organisation.
Euroopa standardimisorganisatsioonide poolt rahvuslikele liikmetele Euroopa standardi teksti kätesaadavaks tegemise kuupäev on 22.07.2009.	Date of Availability of the European standard text 22.07.2009.
Standard on kätesaadav Eesti standardiorganisatsionist.	The standard is available from Estonian standardisation organisation.

**ICS 49.030.20**

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**EUROPEAN STANDARD**  
**NORME EUROPÉENNE**  
**EUROPÄISCHE NORM**

**EN 3052**

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Supersedes EN 3052:1993

English Version

**Aerospace series - Bolts, normal hexagonal head, close tolerance normal shank, short thread, in heat and corrosion resisting steel, passivated - Classification: 1 100 MPa (at ambient temperature) / 425 °C**

Série aérospatiale - Vis à tête hexagonale normale, fût normal à tolérance serrée, filetage court, en acier résistant à chaud et à la corrosion, passivées - Classification: 1 100 MPa (à température ambiante) / 425 °C

Luft- und Raumfahrt - Sechskant-Paßschrauben, kurzes Gewinde, aus korrosionsbeständigem und hochwarmfestem Stahl, passiviert - Klasse: 1 100 MPa (bei Raumtemperatur) / 425 °C

This European Standard was approved by CEN on 13 June 2009.

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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 Management Centre has the same status as the official versions.

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## Foreword

This document (EN 3052:2009) 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 January 2010, and conflicting national standards shall be withdrawn at the latest by January 2010.

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## 1 Scope

This standard specifies the characteristics of bolts, normal hexagonal head, close tolerance normal shank, short thread, in heat and corrosion resisting steel, passivated.

Classification: 1 100 MPa<sup>1)</sup> / 425 °C<sup>2)</sup>

## 2 Normative references

The following referenced documents are indispensable for the application 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.

ISO 3193, *Aerospace — Bolts, normal hexagonal head, normal shank, short or medium length MJ threads, metallic material, coated or uncoated, strength classes less than or equal to 1 100 MPa — Dimensions*.

ISO 3353-1, *Aerospace — Lead and runout threads — Part 1: Rolled external threads*.

ISO 5855-2, *Aerospace — MJ threads — Part 2: Limit dimensions for bolts and nuts*.

ISO 7913, *Aerospace — Bolts and screws, metric — Tolerances of form and position*.

ISO 8168, *Aerospace — Bolts, with MJ threads, made of heat and corrosion resisting steel, strength class 1 100 MPa — Procurement specification*.

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

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

EN 4016, *Aerospace series — Oversized bolts*.<sup>3)</sup>

EN 9100, *Aerospace series — Quality management systems — Requirements (based on ISO 9001:2000) and Quality systems — Model for quality assurance in design, development, production, installation and servicing (based on ISO 9001:1994)*.

EN 9133, *Aerospace series — Quality management systems — Qualification procedure for aerospace standard parts*.

TR 3775, *Aerospace series — Bolts and pins — Materials*.<sup>4)</sup>