

<b>STN</b>	<b>Letectvo a kozmonautika</b> <b>Podložky so zrazením, s valcovým zapustením, z</b> <b>legovanej ocele, pokovované kadmíom</b>	<b>STN</b> <b>EN 2414</b>  31 3420
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Aerospace series - Washers, chamfered, with counterbore, in alloy steel, cadmium plated

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

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EUROPEAN STANDARD

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NORME EUROPÉENNE

EUROPÄISCHE NORM

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English Version

**Aerospace series - Washers, chamfered, with counterbore,  
in alloy steel, cadmium plated**Série aérospatiale - Rondelles, chanfreinées, avec  
chambrage, en acier allié, cadmiéesLuft- und Raumfahrt - Stulpscheiben, aus legiertem  
Stahl, verkadmet

This European Standard was approved by CEN on 15 July 2018.

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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.

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## **European foreword**

This document (EN 2414:2019) 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of an identical text or by endorsement, at the latest by November 2019, and conflicting national standards shall be withdrawn at the latest by November 2019.

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.

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.

**EN 2414:2019 (E)****1 Scope**

This European standard specifies the characteristics of chamfered washers, with counterbore, in alloy steel, cadmium plated, for maximum operating temperature 235 °C.

**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.

EN 2133, *Aerospace series — Cadmium plating of steels with specified tensile strength  $\leq 1\,450$  MPa, copper, copper alloys and nickel alloys*

EN 2205, *Aerospace series — Steel FE-PL1502 (25CrMo4) —  $900\text{ MPa} \leq R_m \leq 1\,100\text{ MPa}$  — Bars —  $D_e \leq 40\text{ mm}$*

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

EN 2438, *Aerospace series — Steel FE-PL2102 (35NiCr6) —  $900\text{ MPa} \leq R_m \leq 1\,100\text{ MPa}$  — Bars —  $D_e \leq 40\text{ mm}$*

EN 3513, *Steel FE-PL711 — Hardened and tempered —  $900\text{ MPa} \leq R_m \leq 1\,100\text{ MPa}$  — Bar and wire —  $D_e \leq 45\text{ mm}$ <sup>1</sup>*

EN 9100, *Quality Management Systems — Requirements for Aviation, Space and Defence Organizations*

**koniec náhľadu – text ďalej pokračuje v platenej verzii STN**

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<sup>1</sup> Published as ASD-STAN-Prestandard at the date of publication of this European Standard ([www.asd-stan.org](http://www.asd-stan.org)).