

<b>STN</b>	<b>Letectvo a kozmonautika Prírubové spojky Otočná príruba so 4 upevňovacími otvormi zo žiaruvzdornej ocele Palcový rad</b>	<b>STN EN 4803</b>  31 3603
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Aerospace series - Flange couplings - Swivel flange with 4 fastening holes, in heat resisting steel - Inch series

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. 09/17

Obsahuje: EN 4803:2017

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Úrad pre normalizáciu, metrológiu a skúšobníctvo Slovenskej republiky, 2017  
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 4803**

NORME EUROPÉENNE

EUROPÄISCHE NORM

May 2017

ICS 49.080

English Version

## Aerospace series - Flange couplings - Swivel flange with 4 fastening holes, in heat resisting steel - Inch series

Série aérospatiale - Raccordement à bride - Brides flottantes avec 4 trous de fixation en acier résistant à chaud - Série en inches

Luft- und Raumfahrt - Rohrverschraubung mit Flanschen - Lose Flansche mit 4 Befestigungslöchern, aus hochwarmfestem Stahl - Inch-Reihe

This European Standard was approved by CEN on 21 November 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

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## European foreword

This document (EN 4803:2017) 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 European 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 2017, and conflicting national standards shall be withdrawn at the latest by November 2017.

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.

## 1 Scope

This European Standard specifies the characteristics of swivel flanges, 4 holes, for pipe couplings in heat resisting steel for inch series aerospace applications.

Nominal pressure: up to 21 000 kPa; depends on the associated seal, tube material, tube diameter and tube wall thickness in the assembly (see EN 4814).

NOTE Assembly in accordance with TR 4815.

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

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

EN 3468, *Aerospace series — Steel FE-PA13 — Softened —  $500 \leq R_m \leq 700$  MPa — Forgings —  $D_e \leq 100$  mm<sup>1)</sup>*

EN 3487, *Aerospace series — Steel FE-PA3601 (X6CrNiTi18-10) — Air melted — Softened — Bar for machining —  $a$  or  $D \leq 250$  mm —  $500$  MPa  $\leq R_m \leq 700$  MPa*

EN 4315, *Aerospace series — Heat resisting alloy FE-PA2601 (X6NiCrTiMoV26-15) — Solution treated and precipitation treated, bar and section  $a$  or  $D \leq 100$  mm,  $R_m \geq 900$  MPa*

EN 4814, *Aerospace series — Flange couplings up to 21 000 kPa — Technical specification — Inch series*

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

TR 4815, *Aerospace series — Flange couplings up to 21 000 kPa — Design standard — Inch series<sup>2)</sup>*

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

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

2) Published as ASD-STAN Technical Report at the date of publication of this European Standard. (<http://www.asd-stan.org/>)