ICS 49.080 SLOVENSKÁ TECHNICKÁ NORMA Október 2017

STN	**Letectvo a kozmonautika Prírubové spojky Zváraná spojka, koleno 90° zo žiaruvzdornej ocele Palcový rad**	**STN EN 4807** 31 3602

Aerospace series - Flange couplings - Weld coupling, 90 elbow, in heat resisting steel - Inch series

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

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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN 4807

May 2017

ICS 49.080

English Version

Aerospace series - Flange couplings - Weld coupling, 90° elbow, in heat resisting steel - Inch series

Série aérospatiale - Raccordement à bride - Raccord à souder, coude à 90°, en acier résistant à chaud - Série en inches

Luft- und Raumfahrt - Rohrverschraubung mit Flanschen und Schweißstutzen, Winkelstutzen 90°, aus hochwarmfestem Stahl - Inch-Reihe

This European Standard was approved by CEN on 14 November 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.

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

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Contents Page

European foreword

This document (EN 4807:2017) 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 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of an identical text or by endorsement, at the latest by November 2017, and conflicting national standards shall be withdrawn at the latest by November 2017.

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1 Scope

This standard specifies the characteristics of straight welded coupling in heat resisting steel for swivel flange couplings for inch series aerospace applications.

Nominal pressure: The parts shall withstand nominal pressures given in Table 1. The nominal pressure of the assembly depends on associated seal, tube material characteristics, tube diameter and tube wall thickness (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 resistant steels and decontamination of nickel base alloys*

EN 3363, *Aerospace series — Steel FE-CM68 — Solution treated — $R_m \geq 485$ MPa — Sand or investment casting* [1)]

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

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

TR 4815, *Aerospace series — Flange couplings up to 21 000 kPa — Design standard — Inch series*[2)]

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

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