ICS 49.080 SLOVENSKÁ TECHNICKÁ NORMA Október 2017

STN	**Letectvo a kozmonautika Prírubové spojky Tesnenie C zo zliatiny niklu s plátom zo žiaruvzdornej ocele s 3 upevňovacími otvormi Palcový rad**	**STN EN 4810 31 3606**

Aerospace series - Flange couplings - Gasket seal with nickel alloy C seal on heat resisting steel plate with 3 fastening holes - 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 4810:2017

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EUROPEAN STANDARD

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EUROPÄISCHE NORM

EN 4810

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ICS 49.080

English Version

Aerospace series - Flange couplings - Gasket seal with nickel alloy C seal on heat resisting steel plate with 3 fastening holes - Inch series

Série aérospatiale - Raccordement à bride - Joint plaque avec joint C en alliage de nickel sur plaque en acier résistant à chaud avec 3 trous de fixation - Série en inches

Luft- und Raumfahrt - Rohrverschraubung mit Flanschen - Flachdichtung aus Nickellegierung, mit Stahlummantelung aus hochwarmfestem Stahl mit 3 Befestigungslöchern - Inch-Reihe

This European Standard was approved by CEN on 14 November 2016.

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

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European foreword

This document (EN 4810:2017) 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of an identical text or by endorsement, at the latest by October 2017, and conflicting national standards shall be withdrawn at the latest by October 2017.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.

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1 Scope

This standard specifies the characteristics of gasket seal with nickel alloy C seal on heat resisting steel, 3 holes, for pipe couplings for inch series aerospace applications.

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

Temperature range: –55 °C to 600 °C.

NOTE Assembly in accordance with TR 4815.

This part should not be reused after disassembling.

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 2407, *Aerospace series — Heat resisting alloy NI-PH2601(NiCr19Fe19Nb5Mo3) — Solution treated and precipitation treated — Sheet, strip and plate — 0,2 mm ≤ a ≤ 10 mm*

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

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

EN 3480, *Aerospace series — Steel FE-PA3601 (X6CrNiTi18-10) — Air melted — Softened — Plate — 6 mm < a ≤ 50 mm — 500 MPa ≤ R_m ≤ 700 MPa*

EN 3488, *Aerospace series — Steel FE-PA3601 (X6CrNiTi18-10) — Air melted — Softened — Sheet and strip — a ≤ 6 mm — 500 MPa ≤ R_m ≤ 700 MPa*

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

EN 4816, *Aerospace series — Flange couplings — Gasket seal with nickel alloy C seal — Technical specification — Inch series*

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

ISO 1456, *Metallic and other inorganic coatings — Electrodeposited coatings of nickel, nickel plus chromium, copper plus nickel and of copper plus nickel plus chromium*

TR 4815, *Aerospace series — Flange couplings up to 21 000 kPa — Design standard — Inch series*[1)]

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