

STN	Letectvo a kozmonautika Prírubové spojky Zváraná spojka, koleno 90° zo zliatiny niklu Palcový rad	STN EN 4808 31 3601
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Aerospace series - Flange couplings - Weld coupling, 90 elbow, in nickel alloy - Inch series

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

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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 4808

NORME EUROPÉENNE

EUROPÄISCHE NORM

May 2017

ICS 49.080

English Version

**Aerospace series - Flange couplings - Weld coupling, 90°
elbow, in nickel alloy - Inch series**

Série aérospatiale - Raccordement à bride - Raccord à
souder, coude à 90°, en alliage de nickel - Série en
inches

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

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

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

CEN-CENELEC Management Centre: Avenue Marnix 17, B-1000 Brussels

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European foreword

This document (EN 4808:2017) 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of an identical text or by endorsement, at the latest by November 2017, and conflicting national standards shall be withdrawn at the latest by November 2017.

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 straight welded coupling in nickel alloy 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 3671, *Aerospace series — Heat resisting alloy NI-PH3601 (NiCr22Mo9Nb) — Non heat treated — Forging stock — a or $D \leq 250$ mm*

EN 4379, *Aerospace series — Heat resisting alloy NI-PH3601 (NiCr22Mo9Nb) — Solution treated, forging $D_e \leq 200$ mm*

EN 4380, *Aerospace series — Heat resisting alloy NI-PH3601 (NiCr22Mo9Nb) — Solution treated — Bar and section — $D_e \leq 200$ mm¹⁾*

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 series²⁾*

SAE AMS 5383, *Nickel Alloy, Corrosion and Heat Resistant, Investment Castings, 52.5Ni 19Cr 3.0Mo 5.1(Cb+Ta) 0.90Ti 0.60Al 18Fe, Vacuum Melted, Homogenization and Solution Heat Treated³⁾*

koniec náhľadu – text ďalej pokračuje v platenej verzii STN

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/>)

³⁾ Published by: SAE National (US) Society of Automotive Engineers. (<http://www.sae.org/>)