



**NSAI**  
Standards

Irish Standard  
I.S. EN 4814:2017

# Aerospace series - Flange couplings up to 21 000 kPa - Technical specification - Inch series

**I.S. EN 4814:2017**

*Incorporating amendments/corrigenda/National Annexes issued since publication:*

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## National Foreword

I.S. EN 4814:2017 is the adopted Irish version of the European Document EN 4814:2017, Aerospace series - Flange couplings up to 21 000 kPa - Technical specification - Inch series

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**EUROPEAN STANDARD**

**EN 4814**

**NORME EUROPÉENNE**

**EUROPÄISCHE NORM**

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English Version

## **Aerospace series - Flange couplings up to 21 000 kPa - Technical specification - Inch series**

Série aéronautique - Raccordement à bride Jusqu'à 21  
000 kPa - Spécification technique - Série en inches

Luft- und Raumfahrt - Rohrverschraubung mit  
Flanschen bis 21 000 kPa - Technische  
Lieferbedingung - Inch-Reihe

This European Standard was approved by CEN on 7 November 2016.

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## EN 4814:2017 (E)

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## **European foreword**

This document (EN 4814:2017) 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of an identical text or by endorsement, at the latest by November 2017, and conflicting national standards shall be withdrawn at the latest by November 2017.

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## EN 4814:2017 (E)

### 1 Scope

This standard specifies the required characteristics, inspection and test methods, quality assurance and procurement requirements for inch series, pipe couplings, swivel flanges, for temperature ranges from type II to type V according to ISO 6771 and nominal pressure up to 21 000 kPa (class D according to ISO 6771).

In addition to the requirements of this technical specification, the coupling assemblies shall be qualified in accordance with equipment or component specification requirements.

### 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 2951, *Aerospace series — Metallic materials — Test method — Micrographic determination of content of non-metallic inclusions*<sup>1)</sup>

EN 9133, *Aerospace series — Quality management systems — Qualification procedure for aerospace standard parts*

EN 10204, *Metallic products — Types of inspection documents*

ISO 468, *Surface roughness — Parameters, their values and general rules for specifying requirements*

ISO 2685, *Aircraft — Environmental test procedure for airborne equipment — Resistance to fire in designated fire zones*

ISO 2859-1, *Sampling procedures for inspection by attributes — Part 1: Sampling schemes indexed by acceptance quality limit (AQL) for lot-by-lot inspection*

ISO 6771, *Aerospace — Fluid systems and components — Pressure and temperature classifications*

ISO 6772, *Aerospace — Fluid systems — Impulse testing of hydraulic hose, tubing and fitting assemblies*

ISO 8625-1, *Aerospace — Fluid systems — Vocabulary — Part 1: General terms and definitions related to pressure*

TR 2674, *Aerospace series — Design and construction of pipeline for fluids in liquid or gaseous condition — Rigid lines, installation*<sup>2)</sup>

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

MIL-PRF-23699, *Lubricating oil, aircraft turbine engine, synthetic base, NATO code numbers: O-152, O-154, O-156, and O-167*<sup>3)</sup>

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

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

<sup>3)</sup> Published by: DoD National (US) Mil. Department of Defense. (<http://www.defenselink.mil/>)



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