



NSAI
Standards

Irish Standard
I.S. EN 4560:2015

Aerospace series - Pipe coupling 37°, spherical up to 21 000 kPa - Inch series - Technical specification

I.S. EN 4560:2015

Incorporating amendments/corrigenda/National Annexes issued since publication:

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EUROPEAN STANDARD

EN 4560

NORME EUROPÉENNE

EUROPÄISCHE NORM

July 2015

ICS 49.080

Supersedes EN 4560:2003

English Version

**Aerospace series - Pipe coupling 37°, spherical up to 21 000
kPa - Inch series - Technical specification**

Série aérospatiale - Système de raccordement sphérique
37°, jusqu'à 21 000 kPa - Série inch - Spécification
technique

Luft- und Raumfahrt - Rohrverschraubung 37° mit
Kugelbuchse, bis 21 000 kPa - Inch-Reihe - Technische
Lieferbedingungen

This European Standard was approved by CEN on 10 January 2015.

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 foreword

This document (EN 4560:2015) 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of an identical text or by endorsement, at the latest by January 2016, and conflicting national standards shall be withdrawn at the latest by January 2016.

This document supersedes EN 4560:2003.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN [and/or CENELEC] shall not be held responsible for identifying any or all such patent rights.

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EN 4560:2015 (E)**1 Scope**

This European Standard specifies the required characteristics, inspection and test methods, quality assurance and procurement requirements for inch series, pipe coupling, 37°, spherical, for temperature ranges from type II to type V according to ISO 6771 and nominal pressure up to 21 000 kPa.

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.

prEN 2951, *Metallic materials — Test method — Micrographic determination of content of non-metallic inclusions* ¹⁾

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

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

EN ISO 1302, *Geometrical Product Specification (GPS) — Indication of surface texture in technical product documentation (ISO 1302)*

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 7137, *Aircraft — Environmental conditions and test procedures for airborne equipment*

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

TR 2674, *Aerospace series — Design and construction of pipelines for fluids in liquid or gaseous condition — Rigid lines, installation* ²⁾

MIL-L-23699, *Lubricating Oil, Aircraft Turbine Engine, Synthetic Base, NATO Code Number O-156* ³⁾

¹⁾ Available on ASD-STAN website (<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/>).

³⁾ Published by : Department of Defense (DoD), the Pentagon, Washington, D.C. 20301, US (<http://www.defenselink.mil/>).

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