BS EN 3275:2019

BSI Standards Publication

Aerospace series - Pipe coupling 8°30' up to 28 000 kPa - Dynamic beam seal - Metric series - Technical specification

National foreword

This British Standard is the UK implementation of EN 3275:2019. It supersedes BS EN 3275:2002, which is withdrawn.

The UK participation in its preparation was entrusted to Technical Committee ACE/12, Aerospace fasteners and fastening systems.

A list of organizations represented on this committee can be obtained on request to its secretary.

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English Version

Aerospace series - Pipe coupling 8°30' up to 28 000 kPa Dynamic beam seal - Metric series - Technical specification

Série aérospatiale - Système de raccordement 8°30' jusqu'à 28 000 kPa - Joint à lèvre - Série métrique - Spécification technique

Luft- und Raumfahrt - Rohrverschraubung 8°30' bis 28 000 kPa Dichtlippe - Metrische Reihe - Technische Lieferbedingungen

This European Standard was approved by CEN on 5 November 2018.

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EUROPÄISCHES KOMITEE FÜR NORMUNG

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European foreword

This document (EN 3275:2019) 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of an identical text or by endorsement, at the latest by November 2019, and conflicting national standards shall be withdrawn at the latest by November 2019.

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1 Scope

This European standard specifies the required characteristics, inspection and test methods, quality assurance and procurement requirements for metric series 8°30' dynamic beam seal pipe couplings, for temperature ranges type II and III according to ISO 6771 and nominal pressure up to 28 000 kPa.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

EN 2813, *Aerospace series — Aluminium alloy AL-P-6061- — T6 — Drawn tube for pressure applications — 0,6 mm ≤ a ≤ 12,5 mm*[1]

EN 3120, *Aerospace series — Titanium alloy TI-P64003 — Cold worked and stress relieved — Seamless tube for pressure systems — 4 mm ≤ D ≤ 51 mm, 690 MPa ≤ R_m ≤ 1 030 MPa*

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

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

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 5855 (all parts), *Aerospace — MJ threads*

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 7257, *Aircraft — Hydraulic tubing joints and fittings — Rotary flexure test*

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

ISO 9538, *Aerospace series — Hydraulic tubing joints and fittings — Planar flexure test*

TR 2674, *Design and construction of pipeline for fluids in liquid or gaseous condition — Rigid lines, installation*[2]

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1 Published as ASD-STAN Prestandard at the date of publication of this standard by AeroSpace and Defence industries Association of Europe – Standardization (ASD-STAN) (www.asd-stan.org).

2 Published as ASD-STAN Technical Report at the date of publication of this standard by AeroSpace and Defence industries Association of Europe – Standardization (ASD-STAN) (www.asd-stan.org).