INTERNATIONAL STANDARD

ISO 22436

First edition
2018-03

Aerospace series — Pipe coupling 8°30′ — Thread end — Geometric configuration

Série aérospatiale - Système de raccordement 8°30' - Extrémité du raccord - Configuration géométrique

Reference number
ISO 22436:2018(E)

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Published in Switzerland

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Foreword

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The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

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For an explanation on the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT) see the following URL: www.iso.org/iso/foreword.html.

This document was prepared by the Aerospace and Defence Industries Association of Europe – Standardization (ASD-STAN) as EN 3273:2010 and was adopted by Technical Committee ISO/TC 20, *Aircraft and space vehicles*, Subcommittee SC 10, *Aerospace fluid systems and components.*

Aerospace series — Pipe coupling 8°30′ — Thread end — Geometric configuration

1 Scope

This document specifies the characteristics of the thread end for 8°30′ pipe couplings, nominal pressure up to 28 000 kPa, for aerospace applications.

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 2491, *Aerospace series — Molybdenum disulphide dry lubricants — Coating methods*

ISO 5855-3, *Aerospace — MJ threads — Part 3: Limit dimensions for fittings for fluid systems*

ISO 8788, *Aerospace — Nuts, metric — Tolerances of form and position*

3 Terms and definitions

No terms and definitions are listed in this document.

ISO and IEC maintain terminological databases for use in standardization at the following addresses:

— IEC Electropedia: available at http://www.electropedia.org/

— ISO Online browsing platform: available at https://www.iso.org/obp

4 Required characteristics

4.1 Configuration — Dimensions

4.1.1 General

Dimensions are in millimetres.

Dimensions and tolerances apply before lubrication. Threads and sealing face shall be lubricated according to EN 2491.

4.1.2 Form B

According to Figure 1 and Table 1.

4.1.3 Form C to L

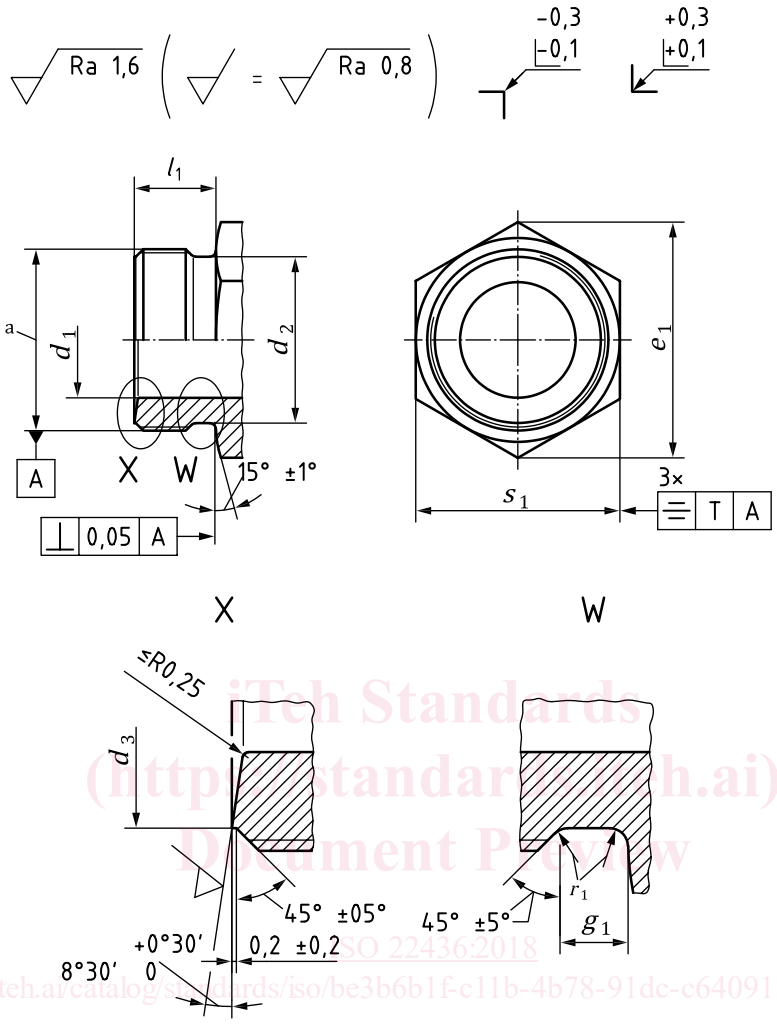
According to Figures 2 to 10 and Tables 1 and 2.

4.2 Surface roughness

According to Figures 1 to 10.

The O-ring sealing groove shall not contain any radial tool marks.

Dimensions in millimetres



Key

a Thread.

Figure 1 — Form B