



BSI Standards Publication

**Aerospace series - Static seal elements O-Ring
ethylene-propylene, moulded, phosphate ester
resistant (- 55 °C to 107 °C) - Inch series**

National foreword

This British Standard is the UK implementation of EN 6075:2017.

The UK participation in its preparation was entrusted to Technical Committee ACE/69, Aerospace hydraulic systems, fluids and components.

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

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Amendments/corrigenda issued since publication

Date	Text affected
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English Version

Aerospace series - Static seal elements O-Ring ethylene-propylene, moulded, phosphate ester resistant (- 55 °C to 107 °C) - Inch series

Série aéronautique - Joint torique statique éthylène-propylène, moulé, résistant à l'ester phosphorique (- 55 °C à 107 °C) - Série en inches

Luft- und Raumfahrt - Statische Dichtungen O-Ringe Ethylen-Propylen, geformt, beständig gegen Phosphorsäureester (- 55 °C bis 107 °C) - Inch Reihe

This European Standard was approved by CEN on 4 December 2016.

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EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
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European foreword

This document (EN 6075:2017) 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of an identical text or by endorsement, at the latest by November 2017, and conflicting national standards shall be withdrawn at the latest by November 2017.

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1 Scope

This European Standard specifies the characteristics of configuration, dimensions, tolerances and mass for moulded O-Ring seal elements, phosphate ester fluid resistant, for use as static seals in hydraulic systems for aerospace application.

Application temperature range: –55 °C to 107 °C of continuous operation.

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 6109, *Aerospace series — Static seal elements elastomer moulded, phosphate ester resistant — Technical specification*¹⁾

EN 6111, *Aerospace series — Ethylene-propylene elastomer (EPM/EPDM) — Hardness 80 IRHD for static seal elements in hydraulic systems for long-term application — Material standard*¹⁾

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

3 Requirements

3.1 Configuration, dimensions, tolerances and mass

- Configuration shall be in accordance with Figure 1;
- Dimensions shall conform with Figure 1 and Table 1;
- Tolerances shall be in accordance with Table 1;
- Mass shall be in accordance with Table 1.

Dimensions and tolerances are expressed in millimetres (inches).

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