



**NSAI**  
Standards

Irish Standard  
I.S. EN 6076:2017

Aerospace series - Static seal elements O-Ring for straight thread tube fitting boss, ethylene-propylene, moulded, phosphate ester resistant (-55 °C to 107 °C) - Inch series

**I.S. EN 6076:2017**

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

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## National Foreword

I.S. EN 6076:2017 is the adopted Irish version of the European Document EN 6076:2017, Aerospace series - Static seal elements O-Ring for straight thread tube fitting boss, ethylene-propylene, moulded, phosphate ester resistant (-55 °C to 107 °C) - Inch series

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EUROPEAN STANDARD

EN 6076

NORME EUROPÉENNE

EUROPÄISCHE NORM

May 2017

ICS 49.035

English Version

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

Série aérospatiale - Joint torique statique pour raccord  
à embout mâle épaulé, éthylène-propylène, moulé,  
résistant à l'ester phosphorique (-55 °C à 107 °C) -  
Série en inches

Luft- und Raumfahrt - Statische Dichtungen O-Ring, für  
gerade Einschraubstutzen mit Bund, Ethylen-Propylen,  
geformt, beständig gegen Phosphorsäureester (-55 °C  
bis 107 °C) - Inch Reihe

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

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.

CEN members are the national standards bodies of Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and United Kingdom.



EUROPEAN COMMITTEE FOR STANDARDIZATION  
COMITÉ EUROPÉEN DE NORMALISATION  
EUROPÄISCHES KOMITEE FÜR NORMUNG

**CEN-CENELEC Management Centre: Avenue Marnix 17, B-1000 Brussels**

<b>Contents</b>		Page
<b>European foreword.....</b>		<b>3</b>
<b>1</b>	<b>Scope .....</b>	<b>4</b>
<b>2</b>	<b>Normative references .....</b>	<b>4</b>
<b>3</b>	<b>Requirements .....</b>	<b>4</b>
<b>4</b>	<b>Designation.....</b>	<b>6</b>
<b>5</b>	<b>Marking and packaging .....</b>	<b>6</b>
<b>6</b>	<b>Technical specification.....</b>	<b>6</b>
<b>7</b>	<b>Quality assurance .....</b>	<b>6</b>
<b>Annex A (informative) Standard evolution form.....</b>		<b>7</b>

## **European foreword**

This document (EN 6076:2017) 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 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 November 2017, and conflicting national standards shall be withdrawn at the latest by November 2017.

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

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## EN 6076:2017 (E)

### 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 straight thread tube fitting boss 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*<sup>1)</sup>

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*<sup>1)</sup>

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).

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



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