



BSI Standards Publication

Fluid power systems — O-rings

Part 3: Quality acceptance criteria

National foreword

This British Standard is the UK implementation of ISO 3601-3:2005+A1:2018. It supersedes BS ISO 3601-3:2005, which is withdrawn.

The start and finish of text introduced or altered by amendment is indicated in the text by tags. Tags indicating changes to ISO text carry the number of the ISO amendment. For example, text altered by ISO amendment A1 is indicated by A1 A1.

The UK participation in its preparation was entrusted to Technical Committee MCE/11, Fluid seals and their housings.

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

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Fluid power systems — O-rings — Part 3: Quality acceptance criteria

*Transmissions hydrauliques et pneumatiques — Joints toriques —
Partie 3: Critères de qualité*



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ISO copyright office
Ch. de Blandonnet 8 • CP 401
CH-1214 Vernier, Geneva, Switzerland
Tel. +41 22 749 01 11
Fax +41 22 749 09 47
copyright@iso.org
www.iso.org

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Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

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

ISO 3601-3 was prepared jointly by Technical Committee ISO/TC 20, *Aircraft and space vehicles*, Subcommittee SC 10, *Aerospace fluid systems and components*, and by Technical Committee ISO/TC 131, *Fluid power systems*, Subcommittee SC 7, *Sealing devices*.

This second edition cancels and replaces the first edition (ISO 3601-3:1987), which has been technically revised.

This corrected version of ISO 3601-1:2005 incorporates the following corrections:

- [Table 2](#), right hand column title changed from “**Grade N O-rings Cross-section d_2** ” to “**Grade S O-rings Cross-section d_2** ”;
- [Table 3](#), right hand column title changed from “**Grade N O-rings Cross-section d_2** ” to “**Grade CS O-rings Cross-section d_2** ”;

ISO 3601 consists of the following parts, under the general title *Fluid power systems — O-rings*:

- *Part 1: Inside diameters, cross-sections, tolerances and size identification code*
- *Part 3: Quality acceptance criteria*
- *Part 5: Suitability of elastomeric materials for industrial applications*

The following parts are in preparation:

- *Part 2: Housing dimensions for general applications*
- *Part 4: Anti-extrusion devices (back-up rings)*