



ISO 3601-2

**Fluid power systems — O-rings —
Part 2:
Housing dimensions for general
applications**

*Transmissions hydrauliques et pneumatiques — Joints
toriques —*

Partie 2: Dimensions des logements pour applications générales

**Third edition
2025-11**



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Published in Switzerland

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This document was prepared by Technical Committee ISO/TC 131, *Fluid power systems*, Subcommittee SC 7, *Sealing devices*.

This third edition cancels and replaces the second edition (ISO 3601-2:2016), which has been technically revised.

The main changes are as follows:

- comprehensive extension of listed housing dimensions for metric bore sizes ([Tables 4](#) and [6](#));
- volumetric calculation of housing fill instead of calculation with cross-sectional areas ([Annex B](#));
- correction in calculation of the cross-sectional reduction for the effective compression ([5.6.2](#)).

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In fluid power systems, power is transmitted and controlled through a fluid (liquid or gas) under pressure within an enclosed circuit. To avoid leakage or to seal different chambers of a component from each other sealing devices are used. O-rings are one type of sealing devices. To seal properly, an O-ring has to be used in an appropriate housing for the application.