
**Hydraulic fluid power cylinders —
Dimensions and tolerances of
 housings for elastomer-energized,
 plastic-faced seals —**

**Part 2:
Rod seal housings**

*Vérins hydrauliques — Dimensions et tolérances des logements pour
 joints en élastomère renforcé par des matières plastiques —*

Partie 2: Logements de joints de tige

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ISO copyright office
CP 401 • Ch. de Blandonnet 8
CH-1214 Vernier, Geneva
Phone: +41 22 749 01 11
Email: copyright@iso.org
Website: www.iso.org

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

This second edition cancels and replaces the first edition (ISO 7425-2:1989), which has been technically revised.

The main changes compared to the previous edition are as follows:

- 400 mm and 450 mm rods have been added to [Table 2](#) to ensure consistency with ISO 3320 and to [Clause 8](#) to ensure consistency with ISO 5597.

A list of all parts in the ISO 7425 series can be found on the ISO website.

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at www.iso.org/members.html.

Introduction

In hydraulic fluid power systems, power is transmitted and controlled through a liquid under pressure within an enclosed circuit. Sealing devices are used to contain the pressurized fluid with components with elements with linear motion, i.e. hydraulic cylinders. In general, these sealing devices are used with both cylinder rod and piston seal housings. This document covers rod seal housings.

This document is one part of the ISO 7425 series of standards covering dimensions and tolerances of reciprocating seal housings.

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