



**International
Standard**

ISO 13726

**Hydraulic fluid power — Single
rod cylinders, 16 MPa (160 bar)
compact series with bores from
250 mm to 500 mm — Accessory
mounting dimensions**

*Transmissions hydrauliques — Vérins à simple tige, série
compacte 16 MPa (160 bar) d'alésages 250 mm à 500 mm —
Dimensions d'interchangeabilité des accessoires*

**Third edition
2026-03**

Sample Document

get full document from standards.iteh.ai



COPYRIGHT PROTECTED DOCUMENT

© ISO 2026

All rights reserved. Unless otherwise specified, or required in the context of its implementation, no part of this publication may be reproduced or utilized otherwise in any form or by any means, electronic or mechanical, including photocopying, or posting on the internet or an intranet, without prior written permission. Permission can be requested from either ISO at the address below or ISO's member body in the country of the requester.

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

Published in Switzerland

Contents

Page

Foreword	iv
Introduction	v
1 Scope	1
2 Normative references	1
3 Terms and definitions	1
4 Accessory mounting dimensions	1
5 Requirements for cross-sections	2
6 Application instructions	2
6.1 General requirement.....	2
6.2 Installation.....	2
6.3 Lubrication.....	2
7 Designation	2
8 Identification statement (reference to this document).....	2
Bibliography	8

Sample Document

get full document from standards.iteh.ai

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.

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 document 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).

ISO draws attention to the possibility that the implementation of this document may involve the use of (a) patent(s). ISO takes no position concerning the evidence, validity or applicability of any claimed patent rights in respect thereof. As of the date of publication of this document, ISO had not received notice of (a) patent(s) which may be required to implement this document. However, implementers are cautioned that this may not represent the latest information, which may be obtained from the patent database available at www.iso.org/patents. ISO shall not be held responsible for identifying any or all such patent rights.

Any trade name used in this document is information given for the convenience of users and does not constitute an endorsement.

For an explanation of the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT), see www.iso.org/iso/foreword.html.

This document was prepared by Technical Committee ISO/TC 131, *Fluid power systems*, Subcommittee SC 3, *Cylinders*.

This third edition cancels and replaces the second edition (ISO 13726:2008), which has been technically revised.

The main changes are as follows:

- Accessory with code of AA4-R has been added in the Scope;
- List of standards has been updated in [Clause 2](#);
- 4.2 has been replaced by a Note;
- [Clause 5](#) has been updated to delete the requirement on yield strength of the material;
- A new [Subclause 6.1](#) has been added;
- Designation format in [Clause 7](#) have been changed to align with ISO 8132 and ISO 8133;
- [Figure 1](#) to [Figure 4](#) have been modified;
- Dimension *NT* has been added in [Table 1](#) and [Table 2](#);
- Dimension *CV* has been changed to a reference dimension in [Table 1](#) and [Table 2](#);
- Unit of the nominal force has been changed to kN in [Table 1](#) to [Table 5](#);
- [Figure 6](#) have been added for accessory type AA4-R.

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.

One component of such systems is the fluid power cylinder. This device converts hydraulic power into linear mechanical force and motion. It consists of a movable element, i.e. a piston and piston rod, operating within a cylindrical bore.

Sample Document

get full document from standards.iteh.ai