PD ISO/TS 11672:2016

BSI Standards Publication

Connectors for fluid power and general use — Designation and nomenclature

Documents
Document Sharing Hub

Full document details: PD ISO/TS 11672:2016

National foreword

This Published Document is the UK implementation of ISO/TS 11672:2016.

The UK participation in its preparation was entrusted by Technical Committee MCE/18, Fluid power systems and components, to Panel MCE/18/-/4, Connectors and associated components.

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

This publication does not purport to include all the necessary provisions of a contract. Users are responsible for its correct application.

© The British Standards Institution 2016.
Published by BSI Standards Limited 2016

ISBN 978 0 580 90317 5
ICS 01.040.23; 23.100.40

Compliance with a British Standard cannot confer immunity from legal obligations.

This Published Document was published under the authority of the Standards Policy and Strategy Committee on 30 September 2016.

Amendments/corrigenda issued since publication

Date	Text affected

Documents
Document Sharing Hub

Full document details: PD ISO/TS 11672:2016

TECHNICAL SPECIFICATION

ISO/TS 11672

First edition
2016-09-01

Connectors for fluid power and general use — Designation and nomenclature

Connecteurs pour transmissions hydrauliques et applications générales — Désignation et nomenclature

Reference number
ISO/TS 11672:2016(E)

Documents
Document Sharing Hub
© ISO 2016

Full document details: PD ISO/TS 11672:2016

COPYRIGHT PROTECTED DOCUMENT

© ISO 2016, Published in Switzerland

All rights reserved. Unless otherwise specified, 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
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

© ISO 2016 – All rights reserved

Documents
Document Sharing Hub

Full document details: PD ISO/TS 11672:2016

Contents

Page

Foreword ..... **iv**
Introduction ..... **v**
1 Scope **1**
2 Normative references **1**
3 Terms and definitions **1**
4 Designation and format **1**
4.1 General 1
4.2 Connector size 2
4.2.1 Threaded connectors and cross connectors 2
4.2.2 Flange connectors 3
4.3 Designation for ordering parts 4
Annex A (normative) **Index of letter symbols in alphabetical order** **9**
Annex B (informative) **Application examples** **11**
Annex C (informative) **Correlation of SAE dash sizes to ISO connector, tube and hose sizes** **13**
Bibliography **14**

© ISO 2016 – All rights reserved

Documents
Document Sharing Hub
Full document details: PD ISO/TS 11672:2016

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 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).

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. Details of any patent rights identified during the development of the document will be in the Introduction and/or on the ISO list of patent declarations received (see www.iso.org/patents).

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

For an explanation on 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 the following URL: www.iso.org/iso/foreword.html.

The committee responsible for this document is ISO/TC 131, *Fluid power systems,* Subcommittee SC 4, *Connectors and similar products and components*.

© ISO 2016 – All rights reserved
Documents
Document Sharing Hub
Full document details: PD ISO/TS 11672:2016

Introduction

In fluid power systems, power is transmitted and controlled through a fluid (liquid or gas) under pressure within an enclosed circuit. In general applications, a fluid can be conveyed under pressure.

Components can be connected through their ports by connections (connectors) and conductors (tubes and hoses). Tubes are rigid conductors; hoses are flexible conductors.

Annexes A and B are normative; Annex C is informative.

© ISO 2016 – All rights reserved

Documents
Document Sharing Hub
Full document details: PD ISO/TS 11672:2016

Connectors for fluid power and general use — Designation and nomenclature

1 Scope

This document collects the various designation and nomenclature schemes specified in International Standards for connectors and similar products standardized by ISO/TC 131/SC 4. It establishes a uniform nomenclature structure to facilitate standardization of product names used for threaded connectors, push-in connectors, flanges, hose fittings, port plugs and quick-action couplings.

The designation and nomenclature established in this document are applicable for procurement purposes when agreed to by user and supplier.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

There are no normative references in this document.

3 Terms and definitions

ISO and IEC maintain terminological databases for use in standardization at the following addresses:

— IEC Electropedia: available at http://www.electropedia.org/

— ISO Online browsing platform: available at http://www.iso.org/obp

4 Designation and format

4.1 General

Designations use the format shown in Figure 1 when specifying a part for procurement to International Standards for connectors developed by ISO/TC 131/SC 4. Tube ends are assumed, so there is no type symbol for unions. When multiple end types are required to describe a threaded connector type, use the stud end first, when applicable (e.g. SDSWS). If there is no stud end, the description of the part shall dictate the designation order (e.g. WDRDNP for a weld-on reducing nipple).

© ISO 2016 – All rights reserved

Documents
Document Sharing Hub

Full document details: PD ISO/TS 11672:2016