

Metallic tube connections for fluid power and general use — Test methods for hydraulic fluid power connections

The European Standard EN ISO 19879:2005 has the status of a
British Standard

ICS 23.040.60; 23.100.40

National foreword

This British Standard was published by BSI. It is the UK implementation of EN ISO 19879:2005. It is identical with ISO 19879:2005, incorporating corrigendum February 2007.

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

A list of organizations represented on this subcommittee 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.

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

Amendments issued since publication

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English Version

Metallic tube connections for fluid power and general use - Test methods for hydraulic fluid power connections (ISO 19879:2005)

Raccords de tubes métalliques pour transmissions hydrauliques et pneumatiques et applications générales - Méthodes d'essai pour raccords pour transmissions hydrauliques (ISO 19879:2005)

Metallische Rohrverschraubungen für Fluidtechnik und allgemeine Anwendung - Prüfverfahren für hydraulische Rohrverschraubungen in der Fluidtechnik (ISO 19879:2005)

This European Standard was approved by CEN on 31 July 2005.

CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration. Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the Central Secretariat or to any CEN member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the Central Secretariat has the same status as the official versions.

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Foreword

This document (EN ISO 19879:2005) has been prepared by Technical Committee ISO/TC 131 "Fluid power systems" in collaboration with Technical Committee ECISS/TC 29 "Steel tubes and fittings for steel tubes", the secretariat of which is held by UNI.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by February 2006, and conflicting national standards shall be withdrawn at the latest by February 2006.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Slovakia, Slovenia, Spain, Sweden, Switzerland and United Kingdom.

Endorsement notice

The text of ISO 19879:2005 has been approved by CEN as EN ISO 19879:2005 without any modifications.

INTERNATIONAL STANDARD

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*Raccords de tubes métalliques pour transmissions hydrauliques et
pneumatiques et applications générales — Méthodes d'essai pour
raccords pour transmissions hydrauliques*



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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.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 2.

The main task of technical committees is to prepare International Standards. Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

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 19879 was prepared by Technical Committee ISO/TC 131, *Fluid power systems*, Subcommittee SC 4, *Connectors and similar products and components*.

This first edition of ISO 19879 cancels and replaces ISO 8434-5:1995, which has been technically revised.

Introduction

In hydraulic fluid power systems, power is transmitted and controlled through a liquid under pressure within an enclosed circuit. Components must be designed to meet these requirements under varying conditions. Testing of components to meet performance requirements provides a basis of assurance for determining design application and for checking component compliance with the stated requirements.

