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**Hydraulic fluid power — Flange connections with split or one-piece flange clamps and metric or inch screws —**

Part 2:

**Flange connectors, ports and mounting surfaces for use at a pressure of 42 MPa (420 bar), DN 13 to DN 76**

*Transmissions hydrauliques — Raccordements à bride avec demi-bridés ou bride monobloc et vis métriques ou en inches —*

*Partie 2: Brides, orifices et surfaces de montage pour utilisation à une pression de 42 MPa (420 bar), de DN 13 à DN 76*



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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.

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](http://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](http://www.iso.org/patents)).

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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](http://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*.

This third edition cancels and replaces the second edition (ISO 6162-2:2012), which has been technically revised. In this edition, a new part number designation is used, the position of the identification groove is corrected, and other minor changes were made for clarification.

A list of all the parts in the ISO 6162 series can be found on the ISO website.

Changes to this addition include the following:

- restructuring the wording to follow new rules;
- changing [Clause 10](#) Designation of flange connections and their parts to conform to the ISO/IEC Directives, Part 2;
- moving the identification groove on the flange head to reflect the correct position;
- changing the drawings to improve clarity;
- adding chamfers to the top of the O-ring groove and clarifying other chamfer notes;
- adding a perpendicular requirement to the tapped holes on the port.