

Connections for hydraulic fluid power and general use — Hose fittings —

**Part 2: Hose fittings with ISO 8434-1 and
ISO 8434-4 24° cone connector ends with
O-rings**

ICS 23.040.70; 23.100.40

National foreword

This British Standard reproduces verbatim ISO 12151-2:2003 and implements it as the UK national standard.

The UK participation in its preparation was entrusted by Technical Committee MCE/18, Fluid power systems and components, to Subcommittee MCE/18/-/4, Connectors and associated components, which has the responsibility to:

- aid enquirers to understand the text;
- present to the responsible international/European committee any enquiries on the interpretation, or proposals for change, and keep the UK interests informed;
- monitor related international and European developments and promulgate them in the UK.

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

Cross-references

The British Standards which implement international publications referred to in this document may be found in the *BSI Catalogue* under the section entitled “International Standards Correspondence Index”, or by using the “Search” facility of the *BSI Electronic Catalogue* or of British Standards Online.

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Summary of pages

This document comprises a front cover, an inside front cover, the ISO title page, pages ii to v, a blank page, pages 1 to 13 and a back cover.

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INTERNATIONAL STANDARD

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Connections for hydraulic fluid power and general use — Hose fittings —

Part 2: Hose fittings with ISO 8434-1 and ISO 8434-4 24° cone connector ends with O-rings

*Raccordements pour transmissions hydrauliques et applications
générales — Flexibles de raccordement —*

*Partie 2: Flexibles avec embouts à cône à 24° et joints toriques
conformes à l'ISO 8434-1 et à l'ISO 8434-4*



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Contents		Page
Foreword.....		iv
Introduction		v
1	Scope.....	1
2	Normative references	1
3	Terms and definitions	2
4	Performance requirements	2
5	Designation of hose fittings.....	3
6	Design	3
7	Manufacture	3
8	Assembly instructions.....	4
9	Procurement information	5
10	Marking.....	5
11	Identification statement (Reference to this part of ISO 12151)	5
Bibliography		13

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.

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ISO 12151-2 was prepared by Technical Committee ISO/TC 131, *Fluid power systems*, Subcommittee SC 4, *Connectors and similar products and components*.

ISO 12151 consists of the following parts, under the general title *Connections for hydraulic fluid power and general use — Hose fittings*:

- *Part 1: Hose fittings with ISO 8434-3 O-ring face seal ends*
- *Part 2: Hose fittings with ISO 8434-1 and ISO 8434-4 24° cone connector ends with O-rings*
- *Part 3: Hose fittings with ISO 6162 flange ends*
- *Part 4: Hose fittings with ISO 6149 metric stud ends*
- *Part 5: Hose fittings with ISO 8434-2 37° flared ends*
- *Part 6: Hose fittings with ISO 8434-6 60° cone ends*

Introduction

In hydraulic fluid power systems, power is transmitted and controlled through a liquid under pressure within an enclosed circuit. In general applications, a fluid may be conveyed under pressure.

Components are connected through their ports by stud ends on fluid conductor fittings to tubes/pipes or to hose fittings and hoses.