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## **Metallic tube connections for fluid power and general use —**

### **Part 1: 24° cone connectors**

*Raccordements de tubes métalliques pour transmissions hydrauliques  
et pneumatiques et applications générales —*

*Partie 1: Raccords coniques à 24°*



Reference number  
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## Foreword

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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)).

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For an explanation on 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 the following URL: [www.iso.org/iso/foreword.html](http://www.iso.org/iso/foreword.html).

This document was prepared by Technical Committee 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 8434-1:2007), which has been technically revised.

A list of all the parts in the ISO 8434 series, can be found on the ISO website.

This corrected version of ISO 8434-1:2018 incorporates the following corrections:

- Table 4: missing data in the Thread column of Series L and S has been inserted.
- Table 21: missing data in the  $s_1$  column of Series L and S has been inserted.

## 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 may be conveyed under pressure.

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