

# STANDARD

# 6430

Second edition  
1992-05-15

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**Pneumatic fluid power — Single rod cylinders,  
1 000 kPa (10 bar) series, with integral  
mountings, bores from 32 mm to 250 mm —  
Mounting dimensions**

*Transmissions pneumatiques — Vérins 1 000 kPa (10 bar) à simple tige,  
à fixations intégrées, de diamètres d'alésage 32 mm à 250 mm --  
Dimensions d'interchangeabilité*



Reference number  
ISO 6430:1992(E)

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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.

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.

International Standard ISO 6430 was prepared by Technical Committee ISO/TC 131, *Fluid power systems*, Sub-Committee SC 3, *Cylinders*.

This second edition cancels and replaces the first edition (ISO 6430:1983), which has been technically revised.

Annex A of this International Standard is for information only.

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## **Introduction**

In pneumatic fluid power systems, power is transmitted and controlled through a gas under pressure within a circuit.

One component of such systems is the pneumatic fluid power cylinder. This is a device that converts power into linear mechanical force and motion. It consists of a movable element, i.e. a piston and piston rod, operating within a cylindrical bore.

To enable them to be fastened to user mechanisms, pneumatic cylinders have devices called "mountings". This International Standard deals with pneumatic cylinders for which these mountings cannot be detached from the main body of the device. These integral mountings make it possible to reach compact mounting dimensions.