

# SVENSK STANDARD

## SS-ISO 6432:2015

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**Pneumatik – Cylindrar – 10 bar (1 000 kPa) – Cylinderdiametrar från 8 mm till 25 mm – Inbyggnadsmått (ISO 6432:2015, IDT)**

**Pneumatic fluid power – Single rod cylinders, 1 000 kPa (10 bar) series, bores from 8 mm to 25 mm – Basic and mounting dimensions (ISO 6432:2015, IDT)**

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Den internationella standarden ISO 6432:2015 gäller som svensk standard. Detta dokument innehåller den officiella engelska versionen av ISO 6432:2015.

Denna standard ersätter SS-ISO 6432:2005, utgåva 1.

The International Standard ISO 6432:2015 has the status of a Swedish Standard. This document contains the official English version of ISO 6432:2015.

This standard supersedes the Swedish Standard SS-ISO 6432:2005, edition 1.

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*Information about the content of the standard is available from the Swedish Standards Institute (SIS), telephone +46 8 555 520 00. Standards may be ordered from SIS Förlag AB, who can also provide general information about Swedish and foreign standards.*

Denna standard är framtagen av kommittén för Hydraulik och pneumatik, SIS/TK 106.

Har du synpunkter på innehållet i den här standarden, vill du delta i ett kommande revideringsarbete eller vara med och ta fram andra standarder inom området? Gå in på [www.sis.se](http://www.sis.se) - där hittar du mer information.



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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)).

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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 WTO principles in the Technical Barriers to Trade (TBT) see the following URL: [Foreword - Supplementary information](#)

The committee responsible for this document is ISO/TC 131, *Fluid power systems*, Subcommittee SC 3, *Cylinders*.

This second edition cancels and replaces the first edition (ISO 6432:1985), which has been technically revised.

## **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 cylinder. This is a device which converts power into linear mechanical force and motion. It consists of a movable element, i.e. a piston, and a piston rod, operating within a cylindrical bore.

To enable them to be fastened to user mechanisms, pneumatic cylinders comprise, in addition, some devices called “mountings”.

