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**NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

GB/T 33927-2017

**Mounting dimensions of rod-end clevises for pneumatic
cylinders**

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Foreword

This standard was drafted in accordance with the rules given in GB/T 1.1-2009.

This standard uses the translation method is equivalent to using ISO 8140.2009 "pneumatic cylinder, 1000kPa (10bar) Series Rod End Fork

Installation size".

The documents of our country that are consistent with the corresponding international documents that are normative references in this standard are as follows.

--- GB/T 8102-2008 Cylinder diameter 8mm ~ 25mm Single rod cylinder mounting dimensions (ISO 6432.1985, IDT)

--- GB/T 9094-2006 cylinder cylinder installation dimensions and installation type code (ISO 6099.2001, IDT)

--- GB/T 17446-2012 fluid transmission systems and components vocabulary (ISO 5598.2008, IDT)

--- GB/T 32336-2015 pneumatic with detachable mounting parts bore 32mm to 320mm basic dimensions of the cylinder, safety

Size and attachment dimensions (ISO 15552.2004, IDT)

--- JB/T 7377-2007 Cylinder diameter 32 ~ 250mm Monolithic installation of single-rod cylinder mounting dimensions (ISO 6430.1992,

IDT)

This standard made the following editorial changes.

--- The standard name changed to "cylinder rod end ring fork installation size";

--- Correct the error of international standards, in Figure 1, a thick solid line to the dotted line;

--- The reference ISO 286-2 name changed to the latest version.

This standard is proposed by the China Machinery Industry Federation.

This standard by the National Hydraulic Pneumatic Standardization Technical Committee (SAC/TC3) centralized.

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Division, Ningbo Yade off Automation Industry Co., Ltd., a constant pneumatic Co., Ltd., Wuxi Institute of Pneumatic Technology Co., Ltd., Weihai Bosheng Pneumatic Hydraulic Co., Ltd.

1 Scope

This standard specifies the cylinder piston rod end ring fork installation size to meet the interchangeability requirements. This type of cylinder rod end ring fork is mainly used 1MPa series cylinders made to ISO 6430, ISO 6432 and ISO 15552, but also for other applications.

Ring prongs mounted on the rod end of the cylinder are used for mechanical transmission of cylinder forces.

Cylinder Rod End Forks Depending on the cylinder bore and pressure in accordance with ISO 6430, ISO 6432 and ISO 15552

Large force design.

2 Normative references

The following documents for the application of this document is essential. For dated references, only the dated version applies to this article

Pieces. For undated references, the latest edition (including all amendments) applies to this document.

ISO 5598 fluid transmission systems and components vocabulary
(Fluidpowersystemsandcomponents-Vocabulary)

ISO 6099 fluid transmission systems and components Cylinder installation dimensions and

installation code (Fluidpowersystemsandcom-

ponents-Cylinders-Identification codeformingdimensionsandmountingtypes)

ISO 6430 pneumatic single pole cylinder, 1000kPa (10bar) series, the overall installation, the cylinder diameter 32mm to 250mm

Mounting Dimensions (Pneumaticfluidpower-Singlerodcylinders, 1000kPa (10bar) series, withintegral

mountings, boresfrom32mmto250mm-Mountingdimensions)

ISO 6432 Pneumatic single-cylinder cylinder 1000kPa (10bar) Series Cylinder diameter 8mm to 25mm Installation dimensions

(Pneumaticfluidpower-Singlerodcylinders-1000 kPa (10 bar) series-Boresfrom 8 to 25 mm-Mountingdimensions)

ISO 15552 pneumatic drive with detachable mounting parts, 1000kPa (10bar) series, cylinder diameter 32mm to 320mm

Cylinder basic dimensions, mounting dimensions and attachment dimensions (Pneumaticfluidpower-Cylinderswithdetmountings,

1000kPa (10bar) series, boresfrom32mmto320mm-Basic, mountingandaccessoriesdimensions

3 Terms and definitions

ISO 5598 defines the terms and definitions apply to this document.

4 installation size

Cylinder piston rod end ring fork installation dimensions shown in Figure 1 and Table 1. The installation code and installation code conform to ISO 6099.