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

GB/T 32336-2015

**Pneumatic fluid power -- Basic, mounting and accessories
dimensions of cylinders with detachable mountings, bores from
32mm to 320mm**

气动 带可拆卸安装件的缸径32mm至320mm的气缸基本尺寸、安装尺寸和附件
尺寸

(English Translation)

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Foreword

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

This standard uses the translation method equivalent to ISO 15552.:2004 "pneumatic transmission belt detachable mounting pieces of 1000kPa (10bar) Column, cylinder size 32mm to 320mm cylinder size, installation dimensions and accessories size "(English version).

And the normative reference in this standard international documents are consistent with the relationship between China's documents are as follows.

--- GB/T 5277 Fasteners Bolts and Screw Through Hole (GB/T 5277-1985, eqvISO 273. 1979)

--- GB/T 9094 hydraulic cylinder installation size and installation type code (GB/T 9094-2006, ISO 6099.:2001, IDT)

--- GB/T 14038 Pneumatic connection port and stud (GB/T 14038-2008, ISO 16030.:2001, IDT)

--- GB/T 17446 Fluid drive system and component vocabulary (GB/T 17446-2012, ISO

5598.:2008, IDT) for ease of use, this standard has been modified as follows.

--- modified the standard name.

--- "1, 2, 1, 2," l2, l3, l8 "to" L2, L3, L8 ".

--- change the code "JS" of MF in Table 3 to "js".

--- Change the code "XN" in Table 6 to "XD".

Fixed an editorial error in the ISO standard that modified the divider for the TG and D columns in Table 11.

- replace the international standard in the "reference" with the national standard that is quoted as part of the technical content consistent with the corresponding international standard.

The rules of drawing are in accordance with national standards.

This standard is proposed by the China Machinery Industry Federation.

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

The drafting of this standard. Ningbo Jiaer Ling Pneumatic Machinery Co., Ltd., Yantai future automatic equipment limited liability company, the national pneumatic products Quality Supervision and Inspection Center, Ningbo Yadeke Automation Industry Co., Ltd., Ningbo Leader Pneumatic Co., Ltd., Fenghua City, through automation Industrial Co., Ltd.

Introduction

In a pneumatic system, the power is transmitted and controlled by the compressed air in the circuit.

A cylinder is an element in a pneumatic system that is a device that converts fluid energy into mechanical forces and travels linearly. Cylinder by cylinder Cylinder and the movement of the piston and piston rod and other components.

In order to be fixed to the mechanical device used, the cylinder also includes certain mounting accessories.

Pneumatic belt Removable mounting Bore 32mm to 320mm cylinder basic size, installation size and attachment dimensions

1 Scope

This standard specifies the basic dimensions, installation dimensions and dimensions of single or double rod cylinders with or without magnetic ratings up to a maximum rated pressure of 1 MPa Piece size.

This standard applies to cylinders with removable mounting parts.

2 Normative reference documents

The following documents are indispensable for the application of this document. For dated references, only the dated edition applies to this article. For undated references, the latest edition (including all modifications) applies to this document.

ISO 273 fasteners bolts and screw through holes
 (Fasteners-Clearance holes for bolts and screws) ISO 3320 Fluid Drive System and Element
 Cylinder Diameter and Piston Rod Outer Diameter Series (Fluid power systems and
 components-Cylinder bores and piston rod diameters-Metric series) ISO 4393 fluid drive
 system and component cylinder piston stroke series
 (Fluid power systems and components-Cylinders-Basic series of piston strokes) ISO 4395 fluid
 drive system and component cylinder piston rod end form and dimensions
 (Fluid power systems and components-Cylinders-piston rod end types and dimensions) ISO 5598
 fluid drive system and component vocabulary
 (Fluid power systems and components-Vocabulary) ISO 6099 Fluid Drive System and
 Component Cylinder Installation Dimensions and Mounting Type Code
 (Fluid power systems and components-Cylinders-Identification code for mounting dimensions and
 mounting types) ISO 16030 Pneumatic fluid power-Connections-Ports and
 (Pneumatic fluid power-Connections-Ports and standards)

3 Terms and definitions

The terms and definitions defined in ISO 5598 apply to this document.

4.1 Basic dimensions

The basic dimensions are given in Table 1 and Table 2 and are shown in Figures 1 and 2.

Note: After the letter in the figure "" indicates the actual size of a stroke; the letter "" indicates the actual size of the two strokes.

4.2 Installation dimensions

The mounting dimensions are given in Tables 3 to 8 and are shown in Figures 3 to 8.