



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

GB/T 39949.2-2021

**Hydraulic fluid power - Mounting dimensions for accessories of
single rod cylinder - Part 2: 16 MPa compact series with bores
from 25 mm to 220 mm**

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1184 instead of ISO

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1 Scope

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1184 Shape and position tolerance without tolerance value (GB/T

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5.3 All unmarked geometric tolerance grades in this part should be K grade, marked as.
"GB/T

Foreword

GB/T

39949 "Installation Dimensions of Hydraulic Drive Single Rod Cylinder Accessories" is divided into 3 parts.

---Part 1.16

MPa medium series and 25

MPa series;

---Part 2.16

MPa Bore 25

mm~220

mm compact series;

---Part 3.16

MPa Bore 250

mm~500

mm compact series.

This part is GB/T

Part 2 of 39949.

This part is in accordance with GB/T

1.1-2009

The rules given are drafted.

This section uses the redrafting method to modify and adopt

ISO

8133.2014 ``Hydraulic Transmission 16

MPa(160

bar) Compact series single rod cylinder

Installation dimensions of ".

This part and ISO

Compared with 8133.2014, there is a structural difference, and the attachment type of Chapter 6 is added.

This part and ISO

The technical differences of 8133.2014 and their reasons are as follows.

---Regarding normative reference documents, this section has made adjustments with technical differences to adapt to my country's technical conditions and adjustments.

The situation is collectively reflected in Chapter 2 "Normative Reference Documents", and the specific adjustments are as follows.

* Use non-equivalent GB/T that adopts international standards

1184 instead of ISO

2768-2 (see 5.3);

* Adopt GB/T of international standard with modification

1800.2 instead of ISO

286-2 (see 7.1.1);

* Use non-equivalent GB/T that adopts international standards

1804 instead of ISO

2768-1 (see 5.2);

* Use GB/T equivalent to adopting international standards

6099 (see Chapter 6);

* Use GB/T equivalent to adopting international standards

5598 (see Chapter 3).

--- "Single earring bracket" in accessory type AB2 is modified to "single earring bracket, symmetrical type" (see Chapter 6, Figure 7, Table 7, Example 7,

ISO

Chapter 1 of 8133.2014, Figure 7, Table 7, Example 7).

---Accessory type AB4

"Double earring bracket, symmetrical type" is modified to "double earring bracket, through hole, symmetrical type" (see Chapter 6, Figure 8,

Table 8.Example 8, ISO

Chapter 1 of 8133.2014, Figure 8, Table 8, Example 8).

---The drawing of the accessory type AL6 is modified to include the structure diagram of the lock plate, pin shaft, double earrings and screws (see Figure 4, ISO

8133.

Figure 4 in.2014).

--- Increase the user's use requirements in the swing angle. "(When the user uses it, the swing angle should not exceed $\pm 3^\circ$) (see 7.1.2)".

This part was proposed by China Machinery Industry Federation.

This part is organized by the National Hydraulic and Pneumatic Standardization Technical Committee (SAC/TC

3) Concentration.

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Beijing Machinery Industry Automation Research Institute Co., Ltd.

1 Scope

GB/T

This part of 39949 provides 16

MPa bore is 25

mm~220

mm compact series single rod hydraulic cylinder accessories

Install size.

This part applies to JB/T

The hydraulic cylinder specified in 12706.2.

Note.

The hydraulic cylinder attachment transmits the load mechanically, and its design is based on the maximum load of the hydraulic cylinder, which is in line with GB/T

2346 rule

The cylinder diameter of the hydraulic cylinder is related to the nominal pressure.

2 Normative references

The following documents are indispensable for the application of this document. For dated reference documents, only the dated version applies to this article

Pieces. For undated reference documents, the latest version (including all amendments) is applicable to this document.