

ICS 23.100.40

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

GB/T 9065.4-2020

**Connections for hydraulic fluid power--Hose fittings - Part 4:
Stud ends**

Issued on: June 2, 2020

Implemented on: December 1, 2020

**Issued by: State Administration for Market Regulation, China National
Standardization Administration**

Table of Contents

Foreword

1 Scope

2 Normative references

Foreword

GB/T 9065 "Hydraulic drive connection hose connector" is divided into six parts.

---Part 1.O-ring face seal;

---Part 2.24° cone seal;

---Part 3.Flange type;

---Part 4.Stud end;

---Part 5.37° flare type;

---Part 6.60° cone.

This part is Part 4 of GB/T 9065.

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

This part uses the redrafting method to modify the use of ISO 12151-4.2007 "Hydraulic transmission and general connection hose fittings Part 4

Points. Hose connector using metric stud end of ISO 6149".

The technical differences between this part and ISO 12151-4.2007 and the reasons are as follows.

--- With regard to normative quotation documents, this part has been adjusted with technical differences to adapt to my country's technical conditions and adjustments

It is reflected in Chapter 2 "Regulatory Reference Documents" with specific adjustments as follows.

* Replaced ISO 261 (see 6.5) with GB/T 193 modified to adopt international standards;

* Replace ISO 4397 with GB/T 2351 equivalent to the international standard (see Chapter 1, 5.1);

* Replaced ISO 6149-2 with GB/T 2878.2 modified to adopt international standards (see 4.2, 6.1);

- * Replaced ISO 6149-3 with GB/T 2878.3 modified to adopt international standards (see 4.2, 6.1);
 - * Replace ISO 4759-1 with GB/T 3103.1 equivalent to international standards (see 6.2);
 - * Replaced ISO 6605 with GB/T 7939 modified to adopt international standards (see 4.1 and 4.3);
 - * Replace ISO 9227 with GB/T 10125 equivalent to international standards (see 7.3);
 - * Replace ISO 5598 with GB/T 17446 equivalent to international standards (see Chapter 3);
 - * Replace ISO 19879 with GB/T 26143 equivalent to the international standard (see 4.3).
- Increase the surface roughness requirements of the sealing surface (see 7.2).

This section also made the following editorial changes.

- Modified the standard name;
- Deleted Note 2 in the provisions of Chapter 1.

This part is proposed by China Machinery Industry Federation.

This part is under the jurisdiction of the National Hydraulic and Pneumatic Standardization Technical Committee (SAC/TC3).

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1 Scope

This part of GB/T 9065 specifies a stud-end hose connector made of carbon steel (see Figure 1 for typical examples, which conforms to GB/T 2878.2 or

GB/T 2878.3 stud end) Basic requirements and dimensional requirements for design and performance.

This section applies to hoses with a nominal inner diameter of 6.3mm to 38mm (in accordance with the nominal hose inner diameter of GB/T 2351).

Note. If other materials are used, the supply and demand sides shall negotiate.

Explanation.

1---oil port (in accordance with GB/T 2878.1);

2---Hose connector;

3---Stud end with O-ring seal (in accordance with GB/T 2878.2 or GB/T 2878.3).

Figure 1 Typical example of metric stud end hose connector connection

2 Normative references

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

Pieces. For the cited documents without date, the latest version (including all amendments) applies to this document.

GB/T 193 Ordinary thread diameter and pitch series (GB/T 193-2003, ISO 261.1998, MOD)

GB/T 2351 Hard tube outer diameter and hose inner diameter for hydropneumatic system (GB/T 2351-2005, ISO 4397.1993, IDT)

GB/T 2878.2 Hydraulic drive connection with metric thread and O-ring seal port and stud end Part 2.Heavy-duty stud

(S series) (GB/T 2878.2-2011, ISO 6149-2.2006, MOD)

GB/T 2878.3 Hydraulic drive connection with metric thread and O-ring seal port and stud end part 3.Light stud