

ICS 23.100.40
CCS J 20



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

GB/T 9065.5-2010

Replacing GB/T 9065.1-1988

**Connections for hydraulic fluid power and general use -- Hose
fittings -- Part 5: Hose fittings with 37-degree flared ends**

液压软管接头 第5部分：37°扩口端软管接头

(English Translation)

Issued on: September 26, 2010

Implemented on: February 1, 2011

Issued by: Standardization Administration of China

Table of Contents

Introduction

1 Scope

2 Normative references

3 Terms and definitions

4 Performance Requirements

Identification 5 hose connector

6 Design

7 Manufacturing

Buy 8

4 9 logo

10 Marking explanation

Appendix A (informative) short, medium and long bends Application Note

Reference

Foreword

GB/T 9065 "Hydraulic Hose Fittings" is divided into five parts.

--- The first part 1. O-ring face seal hose fittings;

Part --- Article 2. 24 ° cone sealing end of the hose fittings;

--- Part 3. flange end hose fittings;

--- Part 4. Stud ends hose fittings;

Part --- Article 5. 37 ° flared end of the hose fittings.

This section GB/T 59065 Part of.

The partial modification of the use of ISO 12151-5:2007 "fittings hose fittings - Part 5 for hydraulic fluid power and general use.

With ISO 8434-2 37 ° flared end of the hose coupling "(in English).

This section according to ISO 12151-5:2007 redrafted.

This part of ISO 12151-5:2007 the following technical differences.

--- "2 Normative references" to replace the corresponding national standards with international standards; increased GB/T 3, GB/T 196 and GB/T 197.

--- In Table 1 to Table 4, the increase in metric threads, and preferred.

This section also made the following editorial changes.

--- Delete ISO 12151-5:2007 Foreword and Introduction;

--- The "international standards in this section" to "this Part";

--- Use the decimal symbol instead of as a decimal comma " , " . " , " ;

--- Delete ISO 12151-5:2007 Chapter 1 in "Note 2";

--- Delete Chapter 2 ISO 8434-2 footnote.

This part is GB/T 9065.1-1988 "Hydraulic Hose connector - Connecting dimension flared" amendments. And GB/T 9065.1-the main changes compared to 1988 are as follows.

--- Standard name changed to "hydraulic hose fittings - Part 5. 37 ° flared end of the hose fitting";

--- Increase identification hose connector; increase American UNF thread size;

--- Remove hose connector specifications 4 and 22 two kinds; an increase of 38 and 50 in two sizes;

--- Increase in Chapter 4, Chapter 5, Chapter 7, Chapter 8 content and the sixth chapter of the technical requirements.

Appendix A of this section is an informative annex.

This part is proposed by China Machinery Industry Federation.

This part of the National Standardization Technical Committee of hydraulic and pneumatic (SAC/TC3) centralized.

This section is responsible for drafting Company. Tianjin Construction Machinery Research Institute.

Participated in the drafting of this section. Beijing Machinery Industry Institute of Automation, Zhejiang and Jiangsu Jiang grid Hydraulic Co., hydraulic machinery Yancheng Huaxing Ltd., Panzhihua Iron and Steel Metallurgical Engineering Ltd. Industrial Development Branch Hydraulic Accessories Factory, Tianjin refiner mechanical transmission engineering limited the company.

1 Scope

This section GB/T 9065 carbon steel with the provisions of the nominal hose sizes conform GB/T 2351 in 6.3mm ~ 51mm Fan Inner circle with ISO 8434-237 ° hose connector design and performance of the basic requirements and size requirements flared ends.

NOTE: If you use other materials, negotiated by both sides.

Hose connector (see Figure 1) and in line with the standard requirements of different hose together with the provisions of this section apply to the hydraulic system.

2 Normative references

The following documents contain provisions by GB/T 9065 reference in this part of the provisions of this section. For dated references, all subsequent amendments (not including errata content) or revisions do not apply to this section, however, encourage the agreement on this section Whether the parties can study the latest versions of these documents. For undated reference documents, the latest versions apply to this section.

GB/T 3 common thread ending, from the shoulder, undercuts and chamfers (GB/T 3-1997, eqvISO 3508. 1976, ISO 4755.

1983)

GB/T 196 common thread basic size (GB/T 196-2003, ISO 724:1993, MOD) GB/T 197 common thread tolerance (GB/T 197-2003, ISO 965-1:1998, MOD) GB/T 2351 hydraulic pneumatic tube system with a hard outer and inner diameter hose (GB/T 2351-2005, ISO 4397:1993, IDT) GB/T 3103.1-2002 Tolerances for fasteners - Bolts, screws, studs and nuts (ISO 4759-1:2000, IDT) GB/T 7939 hydraulic hose assemblies - Test methods (GB/T 7939-2008, ISO 6605:2002, MOD) GB/T 10125 artificial atmosphere corrosion test salt spray test (GB/T 10125-1997, eqvISO 9227.1990) GB/T 17446 Fluid power systems and components Terminology (GB/T 17446-1998, idtISO 5598. 1985) ISO 68-2 ISO ordinary screw threads - Basic model - Part 2. Inch thread ISO 263 ISO general plan and select inch diameter threaded screws, bolts and nuts 0.06 to 6 inches ISO 6149-1 for fluid power and general use of fittings with ISO 261 metric threads and O-ring seal and screw the oil port Ports with O-ring groove with countersunk hole. Part 1 column ends ISO 8434-2 Part 2 metal pipe connection for fluid power and general use. 37 ° flare fittings Test methods for hydraulic fittings of ISO 19879 metal for fluid power and general use - connection

3 Terms and Definitions

Terms and definitions GB/T 17446 apply to this part of the established GB/T 9065's.

4 Performance Requirements

When you press the 4.1 GB/T 7939 testing, hose assembly shall meet the performance requirements specified in the corresponding hose specifications, there is no leakage, no failure.

4.2

working pressure hose assembly should take the lowest value in the ISO 8434-2 pressure hose and fittings pressure given the same specifications.

4.3

Working pressure hose coupling ISO 19879 should be tested to detect, hose assemblies should be GB/T 7939 testing. In the cycle Ring durability test, hose connectors should be able to withstand the number of cycles associated hose technical specification.

5 Identification, hose connector

5.1

For ease of classification shall be composed of alphanumeric identification code as hose fittings, which are identified as. the word "hose coupling", after