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**Hydraulic screw-in cartridge valves cavities - Mounting
dimensions**

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foreword

This document is in accordance with the provisions of GB/T 1.1-2020 "Guidelines for Standardization Work Part 1. Structure and Drafting Rules of Standardization Documents"

drafted.

This document is equivalent to ISO /T R17209.2013 "Hydraulic transmission two, three and four port threaded cartridge valves with ISO 725 (UN and

UNF) Threaded Insertion Holes", the document type is adjusted from the ISO technical report to the national standardization guiding technical document of our country.

The following minimal editorial changes have been made to this document.

--- In order to coordinate with the existing standards, the standard name is changed to "Hydraulic Threaded Cartridge Valve Installation and Connection Dimensions".

Please note that some content of this document may be patented. The issuing agency of this document assumes no responsibility for identifying patents.

Introduction

The application of threaded cartridge valves in hydraulic transmission systems is becoming more and more extensive. The cartridge valve needs to be used with the jack, in order to ensure the mutual

For interchangeability, a common jack size standard needs to be developed.

ISO has formulated the international standard ISO 7789.2007 for the size of metric threaded sockets, and revised and adopted it as my country's industry standard

JB/T 5963-2014.

Hydraulic threaded cartridge valve installation connection dimensions

1 Scope

This document gives the dimensions of the sockets and other
Require.

This document applies to hydraulic threaded cartridge valves for a wide range of applications in industrial, agricultural, mining and mobile equipment.

2 Normative references

The contents of the following documents constitute essential provisions of this document through normative references in the text. Among them, dated citations

documents, only the version corresponding to that date applies to this document; for undated references, the latest edition (including all amendments) applies to this document.

ISO 1101 Product Geometric Specifications (GPS) Geometric Tolerances Shape, Orientation, Position and Runout Tolerance Dimensions [Geometrical run-out]

Note. GB/T 1182-2018 Product Geometric Specification (GPS) Geometric Tolerance Shape, Orientation, Position and Runout Tolerance Labeling (ISO 1101:2017, MOD)

ISO 1302 Product Geometric Specification (GPS) Representation of Surface Structure in Technical Product Documentation [Geometrical product

Note. Representation of surface structure in GB/T 131-2006 Product Geometry Specification (GPS) Technical Product Document (ISO 1302:2002, IDT)

ISO 2768-1 General tolerances - Part 1.Tolerances for unspecified linear and angular dimensions (General tolerances-Part

Note. GB/T 1804-2000 General Tolerances Unmarked Tolerances for Linear and Angular Dimensions (eqv ISO 2768-1:1989)

ISO 2768-2 General tolerances Part 2.Unspecified tolerance values (General tolerances-Part 2.Geometrical

Note. GB/T 1184-1996 shape and position tolerances do not note tolerance values (eqv ISO 2768-2:1989)

Note. GB/T 17446-2012 Vocabulary of Fluid Transmission Systems and Components (ISO 5598:2008, IDT)

Note. GB/T 14043-2005 Identification code of hydraulic transmission valve mounting surface and cartridge valve hole (ISO 5783:1995, IDT)

Note. GB/T 17490-1998 Identification of hydraulic control valve ports, base plates, control devices and electromagnets (idt ISO 9461.1992)

ISO 11926-1 Couplings for general purpose and hydraulic transmission, ports and threaded ends with ISO 725 threads and O-ring seals No. 1

Note. GB/T 36997-2018 Identification of hydraulic transmission oil circuit block assembly and its components (ISO 16874.2004, IDT)

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