

BUREAU OF INDIAN STANDARDS
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Doc No.: PGD 36 (24564)
IS 13170 (Part 1) : 2024
ISO 6149-1 : 2022

भारतीय मानक मसौदा

द्वचालित तरल शक्ति और सामान्य प्रयोजन के लिए संयोजन – ISO 261 मेट्रिक चूडियों और
O-रिंग सीलिंग वाले पोर्ट और स्टड छोर
भाग 1 O-रिंग सील के लिए □□□□□□ हाउसिंग के साथ पोर्ट

(तीसरा पुनरीक्षण)

Draft Indian Standard

**Connections for Hydraulic Fluid Power and General Use — Ports and Stud Ends with
ISO 261 Metric Threads and O-Ring Sealing
Part 1 Ports with Truncated Housing for O-Ring Seal**

(Third Revision)

ICS 23.100.40

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Fluid Power Systems Sectional Committee, PGD 36

NATIONAL FOREWORD

This Indian Standard (Part 1) (Third Revision) which is identical with ISO 6149-1 : 2022 ‘Connections for hydraulic fluid power and general use — Ports and stud ends with ISO 261 metric threads and O-ring sealing — Part 1: Ports with truncated housing for O-ring seal’ issued by the International Organization for Standardization (ISO) will be adopted by the Bureau of Indian Standards on recommendation of the Fluid Power Systems Sectional Committee and approval of the Production and General Engineering Division Council.

This standard was originally published in 1991 and subsequently revised in 1999 and 2021. The third revision of this standard has been undertaken to align it with the latest version of ISO 6149-1. In this revision, corrections have been made to references in Table 2.

This standard is published in 3 parts. Other part in this series is:

Part 2 Heavy duty (S series) stud ends — Dimensions, design, test methods and requirements

Part 3 Light-duty (L series) stud ends — Dimensions, design, test methods and requirements

The text of ISO Standard has been approved as suitable for publication as an Indian Standard without deviations. Certain conventions are, however, not identical to those used in Indian Standards. Attention is particularly drawn to the following:

- a) Wherever the words ‘International Standard’ appear referring to this standard, they should be read as ‘Indian Standard’.
- b) Comma (,) has been used as a decimal marker while in Indian Standards, the current practice is to use a point (.) as the decimal marker.

In this adopted standard, reference appears to certain International Standards for which Indian Standards also exist. The corresponding Indian Standards, which are to be substituted in their respective places, are listed below along with their degree of equivalence for the editions indicated

<i>International Standard</i>	<i>Corresponding Indian Standard</i>	<i>Degree of Equivalence</i>
ISO 261 ISO general purpose metric screw threads — General plan	IS 4218 (Part 2) : 2001/ISO 261 : 1998 ISO metric screw threads: Part 2 General plan (<i>second revision</i>)	Identical
ISO 965-1 ISO general purpose metric screw threads — Tolerances — Part 1: Principles and basic data	IS 14962 (Part 1) : 2018/ISO 965-1 : 2013 ISO general purpose metric screw threads — Tolerances: Part 1 Principles and basic data (<i>first revision</i>)	Identical
ISO 2306 Drills for use prior to tapping screw threads	IS 10952 : 1984/ISO 2306 : 1972 Recommendations for drills for use prior to tapping screw threads	Identical
ISO 5598 Fluid power systems and components — Vocabulary	IS 10416 : 2024/ISO 5598 : 2020 Fluid power systems identical and components — Vocabulary (<i>third revision</i>)	Identical
ISO 6149-2 Connections for hydraulic fluid power and general use — Ports and stud ends with ISO 261 metric threads and O-ring sealing — Part 2: Dimensions, design, test methods and requirements for heavy-duty (S series) stud ends	IS 13170 (Part 2) : 2021/ISO 6149-2 : 2006 Connections for fluid power and general use — ports and stud ends with ISO 261 threads and O-ring sealing: Part 2 Heavy duty (S Series) stud ends — Dimensions, design, test methods and requirements	Identical
ISO 6149-3 Connections for hydraulic fluid power and general use — Ports and stud	IS 13170 (Part 3) : 2021/ISO 6149-3 : 2006 Connections for fluid power and general use-Ports	Identical

ends with ISO 261 metric threads and O-ring sealing — Part 3: Dimensions, design, test methods and requirements for light-duty (L series) stud ends and stud ends with ISO 261 threads and O- ring sealing: Part 3 Light duty (L Series) stud ends — Dimensions, design, test methods and requirements (*first revision*)

For the purpose of deciding whether a particular requirement of this standard is complied with, the final value, observed or calculated expressing the result of a test or analysis, shall be rounded off in accordance with IS 2 : 2022 'Rules for rounding off numerical values (*second revision*). The number of significant places retained in the rounded off value should be the same as that of the specified value in this standard.

NOTE: The technical content of draft standard is not available on website. For details, please refer to ISO 6149-1 : 2022 or contact:

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