

BUREAU OF INDIAN STANDARDS

DRAFT FOR COMMENTS ONLY

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Doc: PGD 37(26430) WC

September 2024

भारतीय मानक मसौदा

आई० एस० ओ० सामान्य प्रयोजन की मीटरी पेंच चूड़ियाँ

भाग 1 आधारभूत प्रोफाइल

[IS 4218 (भाग 1) का तीसरा पुनरीक्षण]

Draft Indian Standard

ISO General Purpose Metric Screw Threads

Part 1 Basic Profile

[Third Revision of IS 4218 (Part 1)]

ICS 21.040.10

General engineering and Fasteners Standards
Sectional Committee, PGD 37

Last date for receipt of comment is
25 October 2024

NATIONAL FOREWORD

(Formal clauses will be added later)

This Indian Standard was first published in 1967 and subsequently revised in 1976 and 2001. The third revision of this standard has been undertaken to align it with ISO 68-1 : 2023.

The major changes in this revision are as follows:

- The scope of the standard has been revised to include design profile which is covered in clause 6 of the standard;
- A separate clause 4 on symbols has been added which were mentioned earlier in Fig. 1;
- Sub-clause 3.1 on the definition of “Basic profile” has been deleted.

This Standard is published in 4 parts. Other parts in this series are:

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|--------|---|
| Part 2 | General plan |
| Part 3 | Basic dimensions |
| Part 4 | Selected sizes for screws, bolts and nuts |

The tolerances of ISO general purpose metric screw threads are covered separately under IS 14962 (Parts 1 to 5).

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 the following International Standard for which Indian Standard also exists. The corresponding Indian Standard which is to be substituted in its place is listed below along with its degree of equivalence for the edition indicated.

<i>International Standard</i>	<i>Corresponding Indian Standard</i>	<i>Degree of Equivalence</i>
ISO 5408 Screw threads Vocabulary	— IS/ISO 5408 : 2009 Screw threads Vocabulary —	Identical

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 68-1 : 2023 or contact:

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