

**BUREAU OF INDIAN STANDARDS**  
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**Doc: PGD 37(26466)WC**  
**October 2024**

*भारतीय मानक मसौदा*

**फास्टनर्स – कप आकार के सिरे वाले खाँचेदार सैट स्क्रू – विशिष्टि**  
(IS 15631 का पहला पुनरीक्षण)

*Draft Indian Standard*

**Fasteners — Slotted Set Screws with Cup Point — Specification**  
(First Revision of IS 15631)

ICS 21.060.10

General engineering and Fasteners Standards  
Sectional Committee, PGD 37

Last date for receipt of comment is  
**17 November 2024**

NATIONAL FOREWORD

*(Formal clauses will be added later)*

This standard covers the requirements of slotted set screws with cup point. The other standards in this series are given below:

- IS 15628 : 2005 Slotted set screws with flat point
- IS 15629 : 2024 Slotted set screws with cone point
- IS 15630 : 2005 Slotted set screws with long dog point

This Indian Standard was first published in 1993 and subsequently revised in 2002 and 2018. The third revision of this standard has been undertaken to align it with ISO 7436 : 2024.

The major changes in this revision are as follows:

- a) For M3,  $l = 4$  mm has been classified as regular standard length with  $l_{nom}$  calculated in order to get at least 4 full pitches and short standard lengths  $l_{nom}$  have been calculated in order to get at least 2.5 full pitches;
- b) For stainless steel screw, grades A2 and A4 with hardness classes 12H and 21H have been added;
- c) Non-ferrous metal screws have been deleted (as a consequence of the withdrawal of ISO 8839);
- d) For steel fasteners, “plain” has been changed to “as processed” in Table 3;
- e) For stainless steel fasteners, “plain” has been changed to “Clean and bright”, and “Passivated” has been added in Table 3;
- f) The requirement of surface integrity has been added for steel screws in Table 3;

g) Specifications for marking and labelling have been added as clause 6

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 certain International Standard for which Indian Standard also exists. 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 225 Fasteners — Bolts, screws, studs and nuts — Symbols and descriptions of dimensions	IS 8536 : 2021/ISO 225 : 2010 Fasteners — Bolts, screws, studs and nuts — Symbols and descriptions of dimensions ( <i>second revision</i> )	Identical
ISO 898-2 Fasteners — Mechanical properties of fasteners made of carbon steel and alloy steel — Part 2: Nuts with specified property classes	IS 1367 (Part 6) : 2024/ISO 898-2 : 2022 Technical supply conditions for threaded steel fasteners: Part 6 Mechanical properties of fasteners made of carbon steel and alloy steel — Nuts with specified property classes — Coarse thread and fine pitch thread ( <i>fifth 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 1891-4 Fasteners — Vocabulary — Part 4: Control, inspection, delivery, acceptance and quality	Doc. PGD 37 (22772) Fasteners — Vocabulary: Part 4 Control, inspection, delivery, acceptance and quality	Identical
ISO 3269 Fasteners — Acceptance inspection	IS 1367 (Part 17) : 2023/ISO 3269 : 2019 Technical supply conditions for threaded steel fasteners: Part 17 Inspections, sampling and acceptance procedure ( <i>fifth revision</i> )	Identical
ISO 3506-2 Fasteners — Mechanical properties of corrosion-resistant stainless-steel fasteners — Part 2: Nuts	IS 1367 (Part 14/Sec 2) : 2023/ISO 3506-2 : 2020 Technical supply conditions for threaded steel fasteners: Part 14 Mechanical properties of corrosion-resistant	Identical

with specified grades and property classes	stainless-steel fasteners, Section 2 Nuts with specified grades and property classes ( <i>fifth revision</i> )	
ISO 4042 Fasteners — Electroplated coating systems	IS 1367 (Part 11) : 2024/ISO 4042 : 2022 Technical supply conditions for threaded steel fasteners: Part 11 Electroplated coating systems ( <i>fifth revision</i> )	Identical
ISO 4759-1 Tolerances for fasteners — Part 1: Bolts, screws, studs and nuts — Product grades A, B and C	IS 1367 (Part 2) : 2002/ISO 4759-1 : 2000 Technical supply conditions for threaded steel fasteners: Part 2 Tolerances for fasteners — Bolts, screws, studs and nuts — Product grades A, B and C ( <i>third revision</i> )	Identical
ISO 6157-2 Fasteners — Surface discontinuities — Part 2: Nuts	IS 1367 (Part 10) : 2002/ISO 6157-2 : 1995 Technical supply conditions for threaded steel fasteners: Part 10 Surface discontinuities — Nuts ( <i>third revision</i> )	Identical
ISO 8991 Designation system for fasteners	IS 1367 (Part 16) : 2002/ISO 8991 : 1986 Technical supply conditions for threaded steel fasteners: Part 16 Designation system for fasteners ( <i>third revision</i> )	Identical
ISO 8992 Fasteners — General requirements for bolts, screws, studs and nuts	IS 1367 (Part 1) : 2014/ISO 8992 : 2005 Technical supply conditions for threaded steel fasteners: Part 1 General requirements for bolts, screws, studs and nuts ( <i>fourth revision</i> )	Identical
ISO 10683 Fasteners — Non-electrolytically applied zinc flake coating systems	IS/ISO 10683 : 2018 Fasteners — Non-electrolytically applied zinc flake coating systems	Identical

The standard also makes a reference to the BIS Certification Making of the product. Details of which are given in National Annex A

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.

**NATIONAL ANNEX A**  
*(National Foreword)*

**A-1 BIS CERTIFICATION MARKING**

The product(s) conforming to the requirements of this standard may be certified as per the conformity assessment schemes under the provisions of the *Bureau of Indian Standards Act, 2016* and the Rules and Regulations framed thereunder, and the products may be marked with the Standard Mark.

**NOTE:** The technical content of draft standard is not available on website. For details, please refer to ISO 7436 : 2024 or contact:

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