



भारतीय मानक ब्यूरो

(उपभोक्ता मामले, खाद्य एवं सार्वजनिक वितरण मंत्रालय, भारत सरकार)

BUREAU OF INDIAN STANDARDS

(Ministry of Consumer Affairs, Food & Public Distribution, Govt. of India)

मानक भवन, 9 बहादुरशाह जफर मार्ग नई, दिल्ली-110002

Manak Bhavan, 9 Bahadur Shah Zafar Marg, New Delhi-110002

Phones: 23230131 / 23233375 / 23239402

Website: www.bis.org.in, www.bis.gov.in

DRAFT INDIAN STANDARD IN WIDE CIRCULATION

Reference : PGD 37 (22056)

Date : 10 July 2023

TECHNICAL COMMITTEE : General Engineering and Fasteners Standards, PGD 37

To,

All concerned

Dear Madam/Sir,

The following document has been prepared by the General Engineering and Fasteners Standards Sectional Committee, PGD 37. Please [click here](#) to view the document.

Document Number : PGD 37 (22056) WC

Title of the document : Fasteners Heat treated tapping screws Mechanical and physical properties

Document Type : Revision of Indian Standard (IS 7178 : 2018)

This document has following salient features which may require specific attention for your valuable comments:

- 1) This document specifies the mechanical and physical properties of heat treated tapping screws made of steel, with thread sizes ST2,2 to ST9,5 in accordance with IS 5957, when tested at the ambient temperature range of 10 °C to 35 °C, and the related test methods. Tapping screws are designed to form mating threads in sheet metals, without their own threads being deformed. Tapping screws are not intended to be pretensioned by design, even though they can experience varying degrees of low-level tensile stress after installation.*
- 2) The major changes in this revision are as follows: a) Document newly structured with regard to requirements and test methods; b) New Table 1 for mechanical and physical properties and related test methods (see 5.1); c) Maximum case-hardened depth increased to 0.12 mm for ST2.2 and ST2.6 (see 5.3); d) Maximum core hardness changed from 370 HV back to 390 HV and core hardness test specified more precisely (see 5.4 and 6.4); e) New clauses for ductility and ductility test added (see 5.8 and 6.8); f) Test method for case-hardened depth determination modified (see 6.3); g)*

Torsional test specified more precisely (see 6.7); h) Clause on inspection has been added; and j) Clause for marking and labelling has been added

Please examine the document and share your comments regarding further improvement in the document.

Last date for sharing the comments is : 27 November 2023

The comments so received shall be taken up by the Sectional Committee for necessary action. For any other query, please write an email at pgd@bis.gov.in to the undersigned at Bureau of Indian Standard, Manak Bhawan, 9, Bahadur Shah Zafar Marg, New Delhi.

In case no comments are received, we would presume your approval of the documents. However, in case we receive any comments on the document, the same shall be put up to the Sectional Committee for necessary action.

Thanking You,

**Yours faithfully,
(ITS ADMIN)
Head (Production and General Engineering Department)
Email: pgd@bis.gov.in**



व्यापक परिचालन में मसौदा(दे)

हमारा सन्दर्भ : PGD 37 (22056)

दिनांक : 10-07-2023

तकनीकी समिति : General Engineering and Fasteners Standards Sectional Committee, PGD 37

प्राप्तकर्ता : रूचि रखने वाले सभी निकाय

महोदय/या,

निम्नलिखित मसौदा तैयार किया गया है :

प्रलेख संख्या : PGD 37 (22056) WC

शीर्षक :

कृपया इस/इन मानक(को)/संशोधन(नो) के मसौदे(दो) का अवलोकन करें और अपनी सम्मतियाँ यह बताते हुए भेजें कि यदि ये मानक(को) के संशोधन(नो) के रूप में प्रकाशित हो तो इन पर अमल करने में आपके व्यवसाय अथवा कारोबार में क्या कठिनाइयां आ सकती हैं।

सम्मतियाँ भेजने की अंतिम तिथि : 27 November 2023

सम्मतियाँ, यदि कोई हों तो, कृपया यहाँ क्लिक करके ऑनलाइन पोर्टल के माध्यम से ऊपर दी गयी अंतिम तिथि तक दर्ज कराएं।

यह/ये प्रलेख भारतीय मानक ब्यूरो की वेबसाइट www.bis.gov.in पर भी उपलब्ध है/हैं।

धन्यवाद।

भवदीय/भवदिया,
विभाग प्रमुख का नाम : ITS ADMIN
(Production and General Engineering Department)
ई-मेल : pgd@bis.gov.in

