



भारतीय मानक ब्यूरो
BUREAU OF INDIAN STANDARDS
MANAK BHAVAN, 9 BAHADUR SHAH ZAFAR MARG, NEW DELHI 110002

व्यापक परिचालन मसौदा

हमारा संदर्भ: सीईडी 15/टी-42

24/10/2019

तकनीकी समिति: बिल्डर हार्डवेयर विषय समिति, सीईडी 15

प्राप्तकर्ता :

- क) सिविल इंजीनियरी विभाग परिषद् के सभी सदस्य
- ख) सीईडी 15 के सभी सदस्य
- ग) रुचि रखने वाले अन्य निकाय

महोदय(यों),

निम्नलिखित निम्नलिखित मानक के संशोधन का मसौदा संलग्न है:

प्रलेख संख्या	शीर्षक
सीईडी 15 (14897) WC	पेडलॉक के साथ उपयोग के लिए दरवाजो के स्टैनलेस स्टील के सरकवा काबले - विशिष्ट का भारतीय मानक मसौदा (ICS सं. 91.190; 77.140.20)

कृपया इस मानक के मसौदे का अवलोकन करें और अपनी सम्मतियों यह बताते हुए भेजे कि यदि इसे मानक के रूप में प्रकाशित हो तो इन पर अमल करने में आपके व्यवसाय अथवा कारोबार में क्या कठिनाइया आ सकती हैं।

सम्मतियों भेजने की अंतिम तिथि : **30/11/2019**.

सम्मति यदि कोई हो तो कृपया अधोहस्ताक्षरी को उपरिलिखित पते पर संलग्न फोर्मेट में भेजें या manoj@bis.gov.in पर ईमेल कर दें।

यदि कोई सम्मति प्राप्त नहीं होती है अथवा सम्मति में केवल भाषा सम्बन्धी त्रुटि हुई तो उपरोक्त प्रलेख को यथावत अंतिम रूप दिया जाएगा। यदि सम्मित तकनीकी प्रकृति की हुई विषय समिति के अध्यक्ष के परामर्श से अथवा उनकी इच्छा पर आगे की कार्यवाही के लिए विषय समिति को भेजे जाने के बाद प्रलेख को अंतिम रूप दे दिया जाएगा।

यह प्रलेख भारतीय मानक ब्यूरो की वेबसाइट पर भी उपलब्ध हैं।

धन्यवाद।

भवदीय,

(मनोज कुमार रजक)
वैज्ञानिक 'सी' (सिविल इंजीनियरी)

संगलन : उपरिलिखित



भारतीय मानक ब्यूरो
BUREAU OF INDIAN STANDARDS
MANAK BHAVAN, 9 BAHADUR SHAH ZAFAR MARG, NEW DELHI 110002

DRAFT IN WIDE CIRCULATION

Reference	Date
CED 15/T-42	24/10/2019

TECHNICAL COMMITTEE: Builders' Hardware Sectional Committee, CED 15

ADDRESSED TO:

- All Members of Civil Engineering Division Council, CEDC
- All Members of CED 15
- All other interests

Dear Sir/Madam,

Please find enclosed the following document:

Doc No.	Title
CED 15 (14897) WC	DRAFT INDIAN STANDARD STAINLESS STEEL SLIDING DOOR BOLTS FOR USE WITH PADLOCKS — SPECIFICATION (ICS No. 91.190; 77.140.20)

Kindly examine the draft standard and forward your views stating any difficulties which you are likely to experience in your business or profession, if this is finally adopted as National Standard.

Last Date for comments **30/11/2019** Comments if any, may please be made in the attached format and mailed to the undersigned at the above address or preferably through e-mail to manoj@bis.gov.in.

In case no comments are received or comments received are of editorial nature, you may kindly permit us to presume your approval for the above document as finalized. However, in case of comments of technical in nature are received then it may be finalized either in consultation with the Chairman, Sectional Committee or referred to the Sectional Committee for further necessary action if so desired by the Chairman, Sectional Committee.

The document is also hosted on BIS website www.bis.org.in.

Thanking you,

Yours faithfully,

(Manoj Kumar Rajak)
Scientist 'C' (Civil Engineering)

Encl: as above

DRAFT FOR COMMENTS ONLY

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Draft Indian Standard

**STAINLESS STEEL SLIDING DOOR BOLTS FOR USE
WITH PADLOCKS — SPECIFICATION**

(First Revision of IS 15834)

(ICS No. 91.190; 77.140.20)

Builders' Hardware
Sectional Committee, CED 15

Last Date of Comments
30/11/2019

FOREWORD

(Formal clauses to be added later)

Sliding door bolts are made from various materials like mild steel, brass and aluminium. However, in locations where atmospheric humidity levels are high, ordinary mild steel begins to rust unless properly protected. With the availability of stainless steel of suitable grade, sliding door bolts which are rust proof, durable and aesthetically good looking are now also available in stainless steel. Stainless steel sliding door bolts are specially useful in coastal areas where humidity levels are high.

This Standards was first formulated in 2008. In this revision, following are the significant changes made:

- a) Grades of stainless steel to be used in the manufacture of bolts have been modified in accordance with the revised standard for stainless steel plate, sheet and strip.
- b) Cross-references to other Indian Standards have been updated.
- c) Provisions on sampling have been updated.

Other Indian Standards available on sliding door bolts are as follows:

- a) IS 281 : 2008 Mild steel sliding door bolts for use with padlocks – Specification (*fourth revision*)
- b) IS 2681 : 1993 Non-ferrous metal sliding door bolts (aldrops) for use with padlocks – Specification (*third 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 : 1960 'Rules for rounding off numerical values (*revised*)'. The number of significant places retained in the rounded off value should be the same as that of the specified value in this standard.

Indian Standard

**STAINLESS STEEL SLIDING DOOR BOLTS FOR USE
WITH PADLOCKS — SPECIFICATION**

1 SCOPE

This standard specifies the requirements regarding materials, manufacture, dimensions and finish of clip type stainless steel sliding door bolts used in general building construction for locking doors, gates, etc with padlocks.

2 REFERENCES

2.1 The standards given below contain provisions which through reference in this text, constitute provisions of this standard. At the time of publications, the editions indicated were valid. All standards are subject to revision and parties to agreements based on this standard are encouraged to investigate the possibility of applying the most recent editions of the standards indicated below:

<i>IS No.</i>	<i>Title</i>
1608 (Part 1) : 2018/ ISO 6892-1 : 2016	Metallic materials – tensile testing: Part 1 Method of test at room temperature (<i>Fourth Revision</i>)
4905 : 2015/ ISO 24153 : 2019	<i>Random Sampling and Randomization Procedures (First Revision)</i>
6527 : 1995	Stainless steel wire rods – Specification (<i>First Revision</i>)
6911 : 2017	Stainless steel plate, sheet and strip – Specification (<i>Second Revision</i>)
9844 : 1981	<i>Method of testing corrosion resistance of electroplated and anodized aluminium coating by neutral salt spray test</i>

3 SIZES

Stainless steel sliding door bolts shall be of the following sizes:

200 mm, 250 mm and 300 mm.

4 MATERIALS

The stainless steel used for the manufacture of sliding door bolts shall be as given in **4.1** and **4.2**.

4.1 Sheet

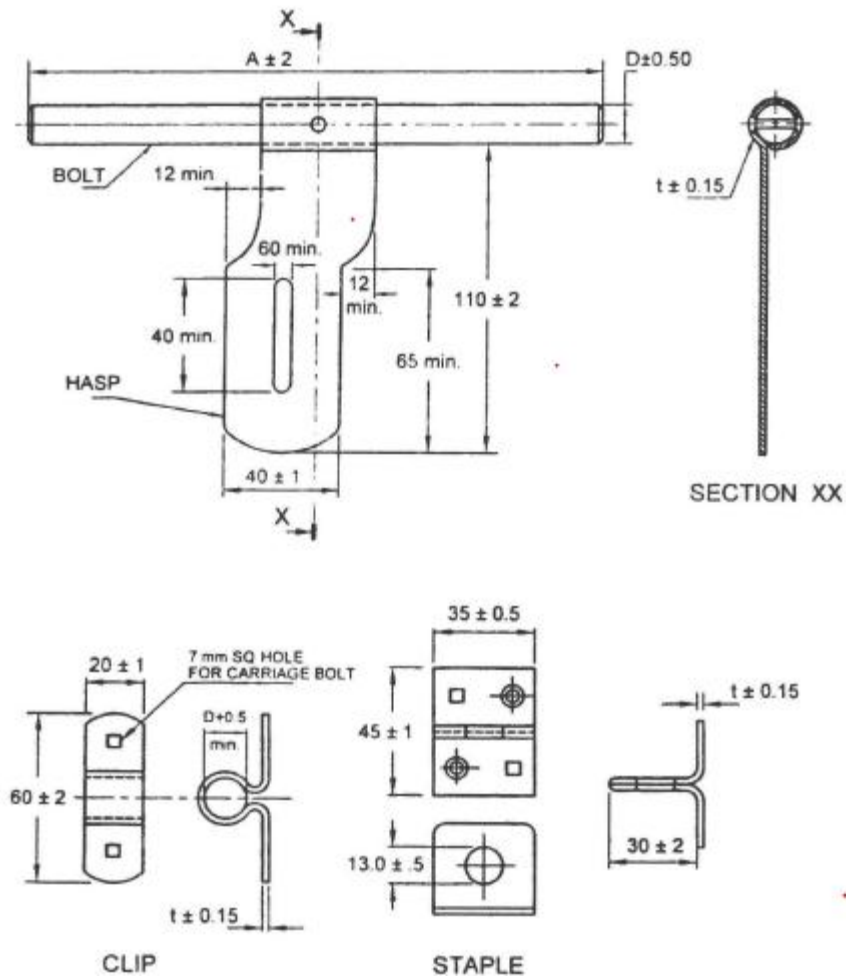
The stainless steel for sheet shall conform to Grades X04Cr12 or X12Cr12 or X04Cr19Ni9 or X07Cr18Ni9 of IS 6911.

4.2 Bolt

The stainless steel for bolts shall conform to Grades X04Cr13 or X12Cr13 or X04Cr18Ni10 or X07Cr18Ni9 of IS 6527.

5 DIMENSIONS AND TOLERANCES

The dimensions of sliding door bolts and tolerances thereon shall conform to those given in Fig. 1.



NOTE

- D shall be 12 mm or 14 mm or 16 mm,
 t shall be 2.20 mm for 12 mm and 14 mm Dia Bolts and 2.50 mm for 16 mm Dia Bolts.
 All edges and corners should be smooth.

All Dimensions in millimetres

Fig. 1 A Typical Illustrations of Sliding Door Bolt

6 MANUFACUTRE

6.1 Stainless steel sliding door bolts shall be well made and shall be free from surface defects. The bolt shall be finished to the correct shape and shall have a smooth sliding action.

7 FINISH

Unless otherwise ordered for, the stainless steel sliding door bolts shall be polished bright with smooth surface.

8 MARKING

8.1 Each stainless steel sliding door bolts shall be clearly marked with the indication of the source of manufacture or trade-mark and the word 'Stainless Steel' shall be legibly imprinted.

8.2 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.

9 PACKING

Stainless steel sliding door bolts shall be suitably packed in cartons. Each carton shall bear a label showing the following:

- a) Source of manufacture or trade-mark,
- b) Size, and
- c) Quantity

10 SCALE OF SAMPLING AND CRITERIA FOR CONFORMITY

10.1 Lot

In any consignment, all the stainless steel sliding door bolts of the same type, material, and size manufactured at in one day, shall be grouped together to constitute a lot.

10.2 Number of Samples

10.2.1 The number of stainless steel sliding door bolts, to be selected from a lot, shall depend upon the size of the lot and shall be in accordance to Table 1 .

10.2.2 These stainless steel sliding door bolts shall be selected at random for at least 10 percent of the packages subject to a minimum of 3, equal number of Stainless steel

sliding door bolts being selected from each such package. In order to ensure the randomness of selection procedure given in IS 4905 may be followed.

Table 1 Scale of Sampling and Criterion for Conformity
(Clauses 10.2 and 10.4)

SI No.	Lot Size	Sample Size	Permissible Number of Defective Sliding Door Bolts
(1)	(2)	(3)	(4)
i)	Up to 200	5	0
ii)	201 to 300	8	1
iii)	301 to 500	13	2
iv)	501 to 800	20	2
v)	801 and above	25	3

10.3 Tests

10.3.1 All the stainless steel sliding door bolts selected as in **10.2** shall be checked for dimensional requirements (see **5**), finish (see **7**) and performance requirements (see **6**). Any stainless steel sliding door bolts which fails to satisfy the requirements of dimensions or finish or performance requirements shall be considered as defective.

10.3.2 For conformity to the requirements of materials, the manufacturer shall provide a certificate of compliance to the requirement given in **4**. If required by the purchaser, tensile test shall be carried out in accordance with IS 1608 (Part 1).

10.3.3 If required by the purchaser, the material shall be tested for corrosion resistance. Method of test and specification requirements shall be as agreed to between the purchaser and the manufacturer or salt spray test for 48 h be carried out as per IS 9844 in the absence of any such agreement.

10.4 Criteria for Conformity

10.4.1 A lot shall be considered as conforming to the requirement of this standard if the number of defective stainless steel sliding door bolts among those tested does not exceed the corresponding number given in col 4 of Table 1, otherwise the lot shall be deemed as not meeting the requirements of this standard and shall be rejected.

FORMAT FOR SENDING COMMENTS ON BIS DOCUMENTS

(Please use A-4 size sheet of paper only and type within fields indicated. Comments on each clause/sub-clause/table/fig etc. be started on a fresh box. Information in column 3 should include reasons for the comments and suggestions for modified working of the clauses when the existing text is found not acceptable. Adherence to this format facilitates Secretariat's work) {Please e-mail your comments to manoj@bis.gov.in

DOC. NO. & TITLE: CED 15 (14897) WC

DRAFT INDIAN STANDARD STAINLESS STEEL SLIDING DOOR BOLTS FOR USE WITH PADLOCKS — SPECIFICATION

LAST DATE OF COMMENT: 30/11/2019

NAME OF THE COMMENTATOR/ORGANIZATION: _____

Sl. No.	Clause/Para/Table/ Figure No. Commented	Comments/Modified Wordings	Justification of the Proposed Change