

# इंटरनेट

# मानक

## Disclosure to Promote the Right To Information

Whereas the Parliament of India has set out to provide a practical regime of right to information for citizens to secure access to information under the control of public authorities, in order to promote transparency and accountability in the working of every public authority, and whereas the attached publication of the Bureau of Indian Standards is of particular interest to the public, particularly disadvantaged communities and those engaged in the pursuit of education and knowledge, the attached public safety standard is made available to promote the timely dissemination of this information in an accurate manner to the public.

“जानने का अधिकार, जीने का अधिकार”

Mazdoor Kisan Shakti Sangathan

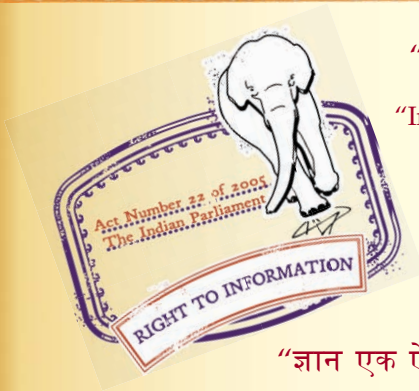
“The Right to Information, The Right to Live”

“पुराने को छोड़ नये के तरफ”

Jawaharlal Nehru

“Step Out From the Old to the New”

IS 6760 (1972): Slotted Countersunk Head Wood Screws [PGD  
31: Bolts, Nuts and Fasteners Accessories]



“ज्ञान से एक नये भारत का निर्माण”

Satyanarayan Gangaram Pitroda

“Invent a New India Using Knowledge”



“ज्ञान एक ऐसा खजाना है जो कभी चुराया नहीं जा सकता है”

Bhartrhari—Nitiśatakam

“Knowledge is such a treasure which cannot be stolen”



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AMENDMENT NO.2 OCTOBER 1988  
TO  
IS:6760-1972 SPECIFICATION FOR SLOTTED COUNTERSUNK  
HEAD WOOD SCREWS

(Page 1, Fig. 1) - Substitute 'js 17' for ' $\pm$  IT 17'.

(Page 1, clause 5) - Add the following after 5:

'6. Finish - Shall be as specified in IS:451-1972.

7. Packing - The wood screws shall be packed as given in IS:451-1972.

8. Inspection and Acceptance - Shall be as specified in IS:451-1972.

9. Marking - Shall be in accordance with IS:451-1972

9.1 ISI Certification Marking - Details available with the Bureau of Indian Standards.

(Page 3, Table 2, col 1) - Substitute 'js 17' for ' $\pm$  IT 17'.

(EDC 27)

*Indian Standard*  
**SPECIFICATION FOR  
SLOTTED COUNTERSUNK HEAD WOOD SCREWS**

**1. Scope** — Requirements for slotted countersunk head wood screws.

**2. Material** — Shall conform to the requirements laid down in IS : 451-1972 'Technical supply conditions for wood screws (second revision)'.

**3. Dimensions and Tolerances**

**3.1** The slotted countersunk head wood screws shall conform to dimensions given in Table 1.

**3.2** The tolerances shall conform to those given in Fig. 1.

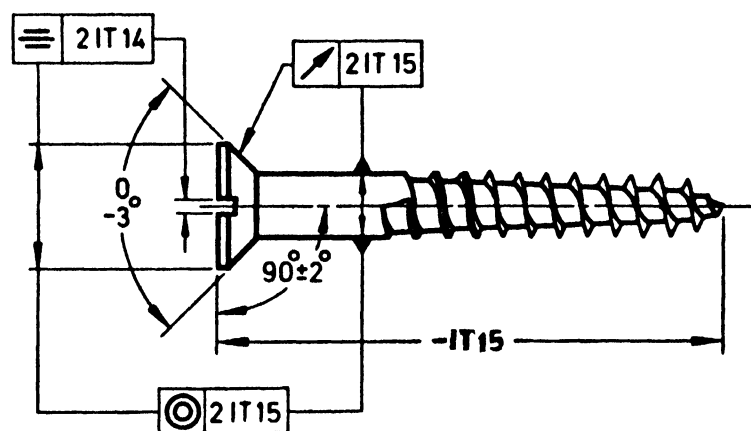


FIG. 1 TOLERANCES ON SLOTTED COUNTERSUNK HEAD WOOD SCREWS

**3.3** The preferred length and screw number combinations are given in Table 2.

**4. Designation** — Wood screws shall be designated by the screw number (screw designation), length, the number of this standard and material.

*Example:*

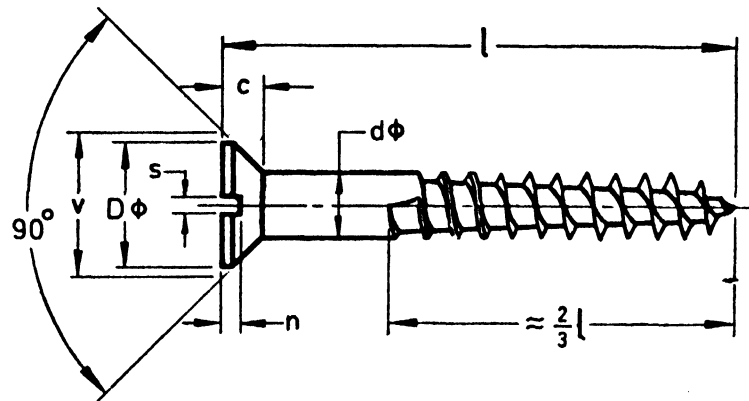
A slotted countersunk head wood screw No. 8, length 20 mm and made of steel shall be designated as:

Wood Screw No. 8 × 20 IS : 6760-Steel

**5. General Requirements** — The wood screws shall be manufactured conforming to the form and dimensions given in Fig. 1 and Table 1. The screws shall conform to IS : 451-1972 in respect of requirements not covered in this standard.

TABLE 1 DIMENSIONS FOR SLOTTED COUNTERSUNK HEAD WOOD SCREWS  
(Clauses 3.1 and 5)

All dimensions in millimetres.



Screw No. (Screw Desig)	Diameter of Unthreaded Shank $d$			Pitch	$v^*$	Diameter of Head $D$		Depth of Head $c^\dagger$	Width of Slot $s$		Depth of Slot $n^\ddagger$	
	Nom	Max	Min			Max	Min	Max	Max	Min	Max	Min
0	1.52	1.55	1.47	0.85	3.20	3.04	2.89	0.89	0.58	0.48	0.48	0.36
1	1.78	1.85	1.70	0.91	3.73	3.56	3.43	1.02	0.71	0.61	0.53	0.41
2	2.08	2.16	1.98	0.98	4.42	4.16	3.91	1.17	0.84	0.74	0.61	0.46
3	2.39	2.46	2.29	1.06	5.05	4.78	4.52	1.32	0.97	0.86	0.69	0.51
4	2.74	2.87	2.64	1.15	5.84	5.48	5.23	1.50	1.02	0.86	0.76	0.56
5	3.10	3.23	2.97	1.27	6.63	6.20	5.94	1.75	1.14	0.99	0.91	0.69
6	3.45	3.58	3.33	1.41	7.39	6.90	6.65	1.98	1.27	1.11	1.04	0.79
7	3.81	3.94	3.68	1.59	8.20	7.62	7.34	2.16	1.27	1.11	1.14	0.84
8	4.17	4.29	4.04	1.81	8.97	8.34	8.03	2.34	1.40	1.24	1.22	0.89
9	4.52	4.65	4.39	2.12	9.75	9.04	8.71	2.51	1.40	1.24	1.30	0.97
10	4.88	5.00	4.72	2.12	10.52	9.76	9.40	2.69	1.52	1.37	1.37	1.02
12	5.59	5.72	5.38	2.54	12.09	11.18	10.77	3.05	1.65	1.50	1.55	1.12
14	6.30	6.43	6.05	2.82	13.67	12.60	12.12	3.40	1.90	1.75	1.70	1.22
16	7.01	7.14	6.76	3.18	15.21	14.02	13.49	3.89	1.90	1.75	2.01	1.47
18	7.72	7.85	7.47	3.39	16.76	15.44	14.86	4.24	2.16	2.01	2.16	1.57
20	8.43	8.56	8.18	3.63	18.31	16.86	16.23	4.60	2.16	2.01	2.34	1.68
24	9.86	9.98	9.60	4.23	21.46	19.72	18.97	5.31	2.41	2.26	2.67	1.91

\*The dimensions for  $v$  are theoretical diameters of head to sharp corners and are given for design purposes only.  
†The maximum depth of head  $c$  on a nominal size shank is given for the convenience of users only.  
‡Dimension  $n$  is measured from the top of the head to the point at which the slot breaks through.

**TABLE 2 PREFERRED LENGTH AND SCREW NUMBER COMBINATIONS FOR SLOTTED COUNTERSUNK HEAD WOOD SCREWS**

( Clause 3.3 )

All dimensions in millimetres.

SCREW No. $\pm \frac{1}{16}$	0	1	2	3	4	5	6	7	8	9	10	12	14	16	18	20	24
8																	
10																	
12																	
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90																	
95																	
100																	
110																	
125																	
150																	
175																	
200																	

**Note** — Preferred lengths are given between the bold lines.**EXPLANATORY NOTE**

Wood screws were originally covered in IS : 451 published in 1961. Consequent on the revision of this standard, four separate standards are being published as below:

IS : 451-1972 Technical supply conditions for wood screws ( *second revision* )

IS : 6736-1972 Specification for slotted raised countersunk head wood screws

IS : 6739-1972 Specification for slotted round head wood screws

IS : 6760-1972 Specification for slotted countersunk head wood screws

The sizes of wood screws incorporated in the above standards are based on the size of wire gauges. Metric dimensions of these sizes are also given in individual standards. The contractual clauses covered in the earlier version of the standard have since been deleted in the revised versions.