

इंटरनेट

मानक

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“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 1120 (1975): Coach 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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Indian Standard
**SPECIFICATION FOR
COACH SCREWS**
(First Revision)

1. Scope — Covers the requirements of hexagon head coach screws (hexagon head wood screws).

2. Dimensions

2.1 As given in Table 1.

2.2 The preferred length and screw number combinations shall be as given in Table 2.

3. Tolerances — As given in Fig. 1.

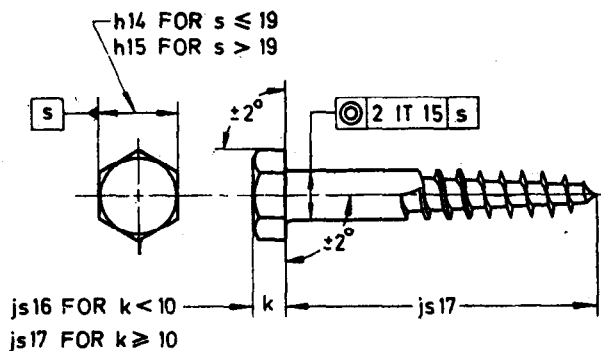


FIG. 1 TOLERANCES ON HEXAGON HEAD COACH SCREW

4. Material — As given in IS : 451-1972 'Technical supply conditions for wood screws (second revision) '.

5. General Requirements — In regard to the requirements not covered in this standard, it shall conform to the requirements of IS : 451-1972.

6. Designation — Shall be designated by the name, screw number, length, number of this standard and material.

Example:

A hexagon head coach screw of screw No. 10, length 30 mm and made of steel, shall be designated as:

Coach Screw No. 10×30 IS : 1120 Steel

7. Finish — As given in IS : 451-1972.

8. Inspection and Acceptance — As given in IS : 451-1972.

9. Packing — As given in IS : 451-1972.

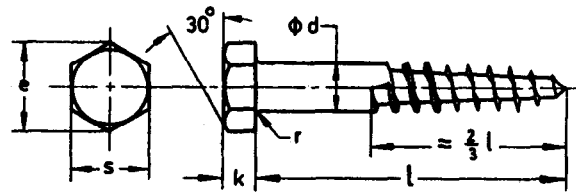
10. Marking

10.1 As given in IS : 451-1972.

10.2 ISI Certification Marking — Details available with the Indian Standards Institution.

TABLE 1 DIMENSIONS FOR HEXAGON HEAD COACH SCREWS
(Clause 2.1)

All dimensions in millimetres.



Size No. Screw Designa- tion	Diameter of Unthreaded Shank <i>d</i>			Pitch	<i>e</i> Min	<i>s</i> $\begin{matrix} h14 \leq 19 \\ h15 > 19 \end{matrix}$			<i>k</i> $\begin{matrix} js16 < 10 \\ js17 > 10 \end{matrix}$			<i>r</i> Max
	Nom	Max	Min			Nom	Max	Min	Nom	Max	Min	
10	4.88	5.00	4.72	2.12	8.63	8	8.00	7.64	3.5	3.88	3.12	0.6
14	6.30	6.43	6.05	2.82	10.89	10	10.00	9.64	4	4.38	4.62	0.6
18	7.72	7.85	7.47	3.39	14.20	13	13.00	12.57	5.5	5.88	5.12	0.6
24	9.86	9.98	9.00	4.23	18.72	17	17.00	16.57	7	7.45	6.55	0.6
28	11.28	11.40	11.02	4.62	20.88	19	19.00	18.48	8	8.45	7.55	1
32	12.70	12.83	12.45	5.08	26.17	24	24.00	23.16	10	10.75	9.25	1

TABLE 2 PREFERRED LENGTH — SCREW NUMBER COMBINATIONS FOR
HEXAGON HEAD COACH SCREWS
(Clause 2.2)

All dimensions in millimetres.

<i>l</i> js17	SCREW NUMBER					
	10	14	18	24	28	32
20						
25						
30						
35						
40						
45						
50						
55						
60						
65						
70						
75						
80						
85						
90						
100						
110						
120						
130						
140						
150						
160						
170						
180						
190						
200						

Note — Preferred lengths are between the bold stepped lines.

EXPLANATORY NOTE

This standard was originally published in 1957. In the present revision, reference has been made to IS : 451-1972 regarding material, finish, packing, inspection, acceptance and marking. The preferred length and screw number combinations have also been tabulated. This standard is one of the series of Indian Standards being prepared on wood screws. Other standards belonging to this series are :

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 gauge. Metric dimensions of these sizes are also given in the individual standards.