

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

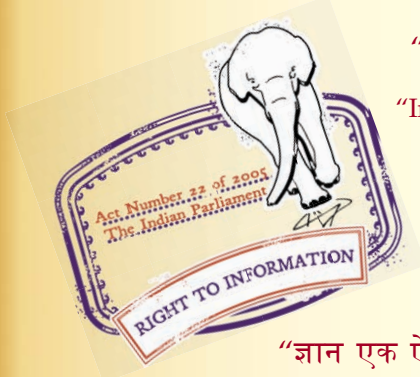
“The Right to Information, The Right to Live”

“पुराने को छोड़ नये के तरफ”

Jawaharlal Nehru

“Step Out From the Old to the New”

IS 6113 (1970): Aluminium Fasteners for Building Purposes
[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”



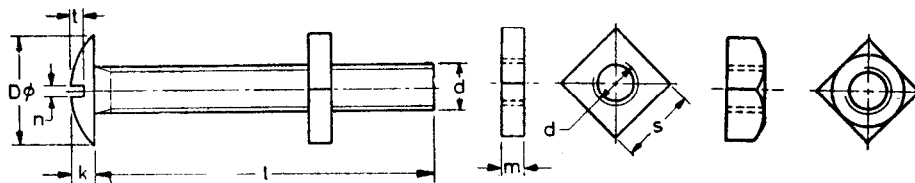
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4.2 Mushroom Head Seam Bolts—As specified in Table 2.

TABLE 2 DIMENSIONS FOR MUSHROOM HEAD SEAM BOLTS AND NUTS

All dimensions in millimetres.



Size <i>d</i>	<i>D</i>	<i>k</i>	<i>n</i>		<i>t</i>	Preferred Lengths <i>l</i>	^h <i>s</i> (h 14)		<i>m</i>	Size of Nut
			Min	Max			Min	Max		
M5	9	3	1.3	1.4	1.5	12, 14, 16, 20, 25, 30, 35, 40, 45, 50	7.64	8.00	2.5	M5
M6	13	4	1.6	1.8	1.8	12, 14, 16, 20, 25, 30, 35, 40, 45, 50, 55, 60, 70, 80, 90, 100	9.64	10.00	3.15	M6
M8	16	5	1.6	1.8	2.0	12, 14, 16, 20, 25, 30, 35, 40, 45, 50, 55, 60, 70, 80, 90, 100	12.57	13.00	4	M8
M10	20	6	2.5	2.8	2.5	12, 14, 16, 20, 25, 30, 35, 40, 45, 50	16.57	17.00	5	M10

*According to IS : 1369-1961 'Dimensions of screw thread run outs and undercuts'.

4.3 Washers—As specified in Table 3.

4.4 Square Nuts for Use with J-Type Hook Bolts—Conforming to IS : 2585-1968 'Specification for black square bolts and nuts (diameter range 6 to 39 mm) and black square screws (diameter range 6 to 24 mm) (first revision)'.

5. Designation

5.1 J-type hook bolts, Type A, size M8, length 100 and material NG 5-M of IS:739-1966 shall be designated as:

J-Type Hook Bolt AM8 × 100 IS:6113 NG 5-M

5.2 Seam bolt size M8, length 80 mm and material HG 19 of IS : 739-1966 shall be designated as:
Seam Bolts M8 × 80 IS:6113 HG 195.3 Nut size M8 and material HE 19-WP of IS:733-1967 shall be designated as:
Nut M8 IS:6113 HE 19-WP5.4 Washers of size 8, Type A, and material HS 20 of IS:737-1965 shall be designated as:
Washer A8 IS:6113 HS 20

6. General Requirements

6.1 Manufacture, tolerance, tests, marking and packing as specified in IS : 1367-1967.

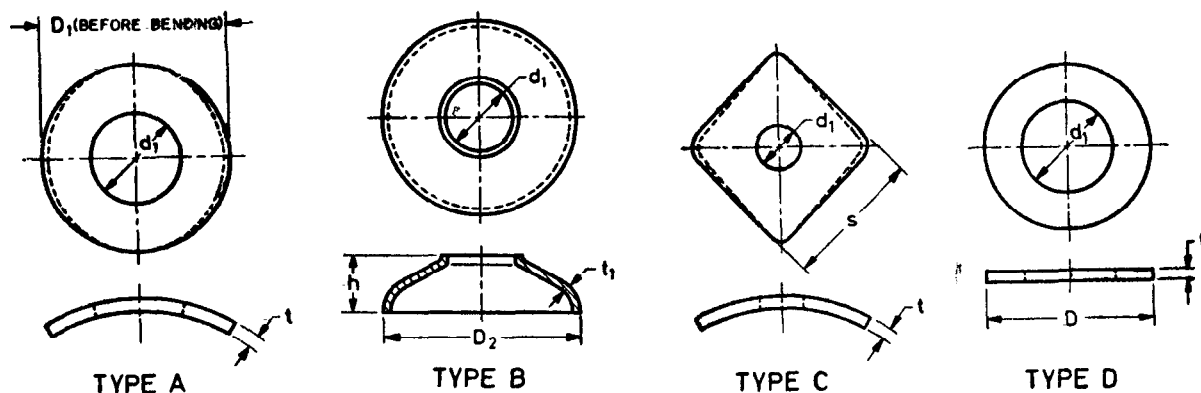
6.2 Sampling as specified in IS:2614-1969 'Methods for sampling of fasteners (first revision)'.

6.3 Tests as specified in IS: 1367-1967.

6.4 Requirements for washers as specified in 5369-1969 'General requirements for plain washers and lock washers.'

TABLE 3 DIMENSIONS FOR WASHERS

All dimensions in millimetres.



Size	Hole Dia d_1	Thickness t	Thickness t_1	Outside Dia D	Outside Dia D_1	Outside Dia D_2	Depth h	Width Across Flats s
5	5.8	1.60	0.90	10	25	35	10	36
6	7	1.60	0.90	12	25	35	10	36
8	10	1.60	0.90	16	25	35	10	36
10	12	1.60	0.90	22	25	35	10	36

EXPLANATORY NOTE

The technical requirements and dimensions for fasteners manufactured from aluminium alloy have been covered in this standard. These fasteners are suitable for use where the structure to which they are attached is also of aluminium or aluminium alloy. These fasteners are particularly useful in the case of structures made up of dissimilar material, where suitable protection against electrolytic actions is necessary. The types of fasteners covered in this standard are similar to those given in IS:730-1966 'Specification for fasteners for corrugated sheet roofing (revised)'. The purpose of issuing this standard is to draw attention to the requirements mentioned above where the aluminium fasteners are used in contact with sheet or with other dissimilar metals.

This standard is based on BS 1494: Part 1:1964 'Fixing accessories for building purposes, Part 1 Fixing for sheet, roof and wall coverings'.