

Indian Standard
**SPECIFICATION FOR
HEAVY WASHERS FOR STEEL STRUCTURES**

1. **Scope** — Requirements for heavy washers for use in steel structures in the diameter range 14 to 42 mm.
2. **Dimensions** — The dimensions of heavy washers shall be according to Table 1.
3. **Material** — Washers covered in this standard shall be made from steel.
4. **Designation** — The washers shall be designated by the nominal size and the number of this standard.

Example:

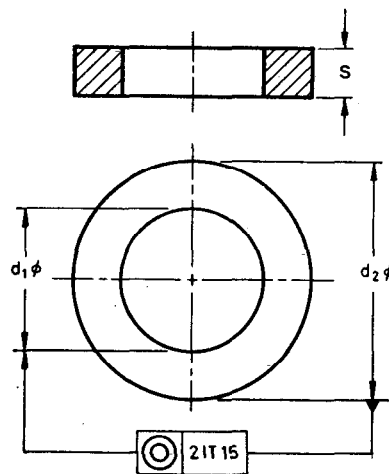
A heavy washer having a nominal size of 14 mm and conforming to this standard shall be designated as:

Washer 14 IS : 6610

5. **Other Requirements** — Other requirements for the heavy washers not covered in this standard shall conform to the requirements applicable for black washers specified in IS : 5369-1969 'General requirements for plain washers and lock washers'.

TABLE 1 DIMENSIONS FOR HEAVY WASHERS FOR STEEL STRUCTURES

All dimensions in millimetres.



Nominal Size, d_1		d_2		S	Suitable for Bolt Size
Basic	Tolerance (H14)	Basic	Tolerance (h16)		
14	+ 0.43	24	- 1.30	8	M12
18	+ 0.43	30	- 1.30	8	M16
22	+ 0.52	37	- 1.60	8	M20
24	+ 0.52	39	- 1.60	8	M22
26	+ 0.52	44	- 1.60	8	M24
30	+ 0.52	50	- 1.60	8	M27
33	+ 0.62	56	- 1.90	8	M30
36	+ 0.62	60	- 1.90	8	M33
39	+ 0.62	66	- 1.90	8	M36
42	+ 0.62	72	- 1.90	8	M39

EXPLANATORY NOTE

In the preparation of this standard assistance has been derived from Doc : ISO/TC 2 (457) 'Proposal for high washers for hexagon bolts for steel structures, Metric series'.

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