

इंटरनेट

मानक

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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 6610 (1972): Heavy Washers for Steel Structures [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

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:

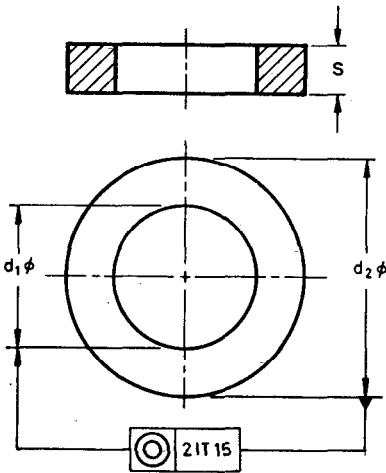
A heavy washer having a nominal size of 14 mm and conforming to this standard shall be designated as:

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 '.