Internal memo: 912/171 – Construction Date: 20-03-2024

Subject: Flat washers

Keywords: Washers, Form C

1. Washers are being ordered without standardization.
2. This internal memo is being issued to standardize use of washers.
3. Washers are of 3 types i.e., Form A, Form B & Form C. They are similar to Class A, B & C MS pipes. Form A is light weight, Form B is medium weight and Form C is heavy weight.
4. Only sue Form C flat washers made from GI, SS or MS.
5. A table of From C flat washers is given below:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Sl. No | Size | Internal dia in mm | External dia in mm | Thickness in mm | Weight for 1000 pieces in gms |
|  | M4 | 4.30 | 10.00 | 0.08 |  |
|  | M5 | 5.30 | 12.50 | 1.00 | 400 |
|  | M6 | 6.40 | 14.00 | 1.60 | 1100 |
|  | M8 | 8.40 | 21.00 | 1.60 | 2100 |
|  | M10 | 10.50 | 24.00 | 2.00 | 4000 |
|  | M12 | 13.00 | 28.00 | 2.50 | 6200 |
|  | M14 | 13.00 | 30.00 | 3.00 |  |
|  | M16 | 17.00 | 34.00 | 3.00 | 11300 |
|  | M18 | 19.00 | 37.00 | 3.00 |  |
|  | M20 | 21.00 | 39.00 | 3.00 | 17200 |
|  | M22 | 23.00 | 44.00 | 3.00 |  |
|  | M24 | 25.00 | 50.00 | 4.00 |  |
|  | M27 | 28.00 | 56.00 | 4.00 |  |
|  | M30 | 31.00 | 60.00 | 4.00 |  |
|  | M33 | 34.00 | 66.00 | 5.00 |  |
|  | M36 | 37.00 | 72.00 | 5.00 |  |
|  | M39 | 40.00 | 77.00 | 6.00 |  |

1. The washers are labelled as M5, M6, M8 meaning they are to be used with screws/bolts of dia 5, 6 or 8mm.
2. MHTR (GV) to maintain minimum stock of 2kgs with reorder value of 2kgs of the sizes: M5, M6, M8.
3. MHTR (GV) to maintain minimum stock of 5kgs with reorder value of 3kgs of the sizes: M10, M12, M16 & M20.

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