



## CORPORATE STANDARD

AA 716 10 01

Rev. No. 03

PAGE 1 OF 3

### WASHERS, MACHINED, STEEL

#### 1.0 DESIGNATION:

A machined washer of size 8.4 mm made of steel shall be designated as:

#### 1.1 On drawings:

- i) Material specification column : AA 716 10 01.
- ii) Description column : WASHER MCD 8.4 -ST

#### 1.2 On indents:

Washer Machined 8.4 – steel: AA 716 10 01.

#### 1.3 For issuing enquiries and on purchase orders:

While issuing enquiries and purchase orders, delete BHEL standard number from the above description and add the information given under clause 2.0.

#### 2.0 COMPLIANCE WITH STANDARDS:

##### 2.1 Dimensions, Tolerances and General requirements:

As per IS; 2016-1967, Table-1.

##### 2.2 Material:

Steel as stated in IS: 2016.

##### 2.3 Finish: Plated as specified in BHEL order.

#### 3.0 NOTE:

3.1 For machined washers of brass, refer to BHEL standard AA 716 10 02.

3.2 For machined washers of copper, refer to BHEL standard AA 716 10 04.

#### Revisions :

Cl. 24.8.45 of MOM of WG-F

#### APPROVED :

INTERPLANT  
STANDARDIZATION COMMITTEE (WG-F)

Rev. No. 03

Amd.No.

Dt:01.03.2004

Dt :

Year :

Prepared

HYDERABAD

Issued

Corp. R&D

Dt. of 1st Issue

January, 1977

AA 716 10 01	<b>CORPORATE STANDARD</b>	
Rev. No. 03		
PAGE 2 OF 3		

**3.3** Washers to this standard would be unplated, divisions wishing to have plated washers would have to get them plated.

**3.4** For general requirements of washers, refer BHEL standard AA 023 04 08.

**3.5** Weights given in this standard are for general reference only and are not meant for commercial transactions.

**3.6** When fasteners are to be tested with in BHEL, the sampling and acceptance plan shall be as per IS:1367, part 17.

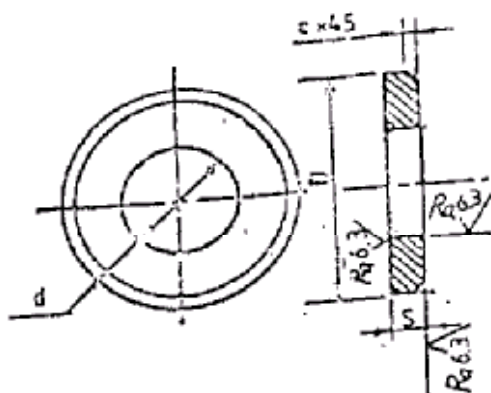
**4.0 REFERRED STANDARDS (Latest publications including amendment):**

- |                 |                      |                 |
|-----------------|----------------------|-----------------|
| 1) IS:2016      | 2) IS: 1367, part 17 | 3) AA 023 04 08 |
| 4) AA 716 10 02 | 5) AA 716 10 04      |                 |

**EXPLANATORY NOTE**

**The following changes have been made in this revision:**

- Cl.2.0 Material (Rev 02) is deleted due to duplication and all other clauses are renumbered..
- Cl 2.3 Finish is modified.
- Sampling and acceptance plan as per IS:1367, Part 17 in place IS:6821.
- A new clause .4.0 Referred standard is added.
- Four pages made to three pages.



NOTE:

1. Corporate sub-code numbers are shown below.
2. Weights have been shown in kg./1000 No.

(All Dimensions are in mm)

SIZE NOM. d H12	OUTSIDE DIAMETER D		THICKNESS S		e NOM.	FOR BOLT OR SCREWS SIZE	SUB-CODE	WIGHT
	BASIC	TOL.	BASIC	TOL.				
1.7	4	+ 0 - 0.3	0.3	± 0.1	0.1	M 1.6		
2.2	5	+ 0 - 0.3	0.3	± 0.1	0.1	M 2	170	
2.7	6.5	+ 0 - 0.3	0.5	± 0.1	0.2	M 2.5	161	
3.2	7	+ 0 - 0.3	0.5	± 0.1	0.2	M 3	013	0.11
4.3	9	+ 0 - 0.3	0.8	± 0.1	0.3	M 4	021	0.29
5.3	10	+ 0 - 0.3	1.0	± 0.1	0.4	M 5	030	0.42
6.4	12.5	+ 0 - 0.4	1.6	± 0.2	0.6	M 6	048	1.03
8.4	17	+ 0 - 0.4	1.6	± 0.2	0.6	M 8	056	2.07
10.5	21	+ 0 - 0.5	2	± 0.2	0.6	M 10	064	3.98
13	24	+ 0 - 0.5	2.5	± 0.3	0.6	M 12	072	6.16
17	30	+ 0 - 0.5	3	± 0.3	0.6	M 16	080	11.10
21	37	+ 0 - 0.8	3	± 0.3	1.0	M 20	099	16.70
25	44	+ 0 - 0.8	4	± 0.3	1.0	M 24	102	31.70
31	56	+ 0 - 1.0	4	± 0.3	1.0	M 30	110	52.9
37	68	+ 0 - 1.0	5	± 0.6	1.6	M 36	129	89.9
43	78	+ 0 - 1.0	7	± 1.0	1.6	M 42	137	180.3
50	92	+ 0 - 1.5	8	± 1.0	1.6	M 48	145	291.2
58	105	+ 0 - 1.5	9	± 1.0	1.6	M 56	188	421.8
66	115	+ 0 - 1.5	9	± 1.0	2.0	M 64	153	484.4