

	CORPORATE STANDARD	AA7161005
		Rev. No. 05
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WASHERS, PUNCHED, TYPE-A, STEEL

1.0 DESIGNATION

A punched washer type-A of size 6.6 mm and made of steel shall be designated as

1.1 On drawings

- i) Material specification column : AA7161005
- ii) Description column : WASHER PNCHD A6.6 – St

1.2 On indents

Washer Punched A6.6 – Steel; AA7161005

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-2

2.2 Material

Suitable low carbon steel 20C8, as stated in IS: 1570, Part 2

2.3 Finish

As specified in BHEL order.

Revisions: Clause 2.1 changed Table-1 to Table-2			APPROVED: INTERPLANT MATERIAL RATIONALISATION COMMITTEE – MRC (F)		
Rev. No. 05	Amd. No.	Reaffirmed	Prepared HPEP, Hyderabad	Issued Corp. R&D	Dt. of 1 st Issue 01-01-1977
Dt: 07-03-2017	Dt:	Year:			

CORPORATE STANDARD**3.0 NOTE**

- 3.1** For multi tooth, lock washer, type-A (External) refer to BHEL standard AA7161001
- 3.2** Washers to this standard would be unplated, divisions wishing to have plated washers would have to get them plated.
- 3.3** For general requirements of washers, refer BHEL standard AA0230408
- 3.4** Weights given in this standard are for general reference only and are not meant for commercial transactions.
- 3.5** When fasteners are to be tested with in BHEL, the sampling and acceptance plan shall be as per IS: 1367, Part 17

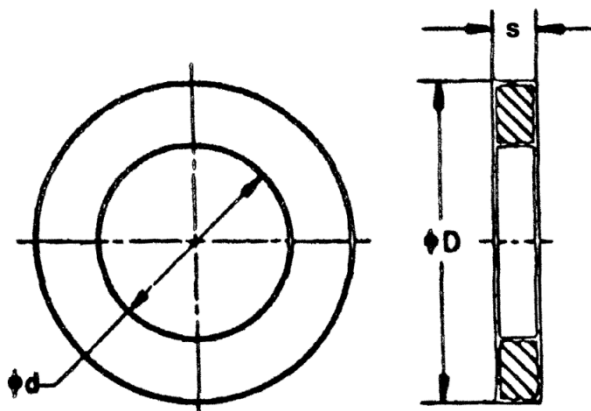
4.0 REFERRED STANDARDS (Latest Publications including Amendment)

- 1) IS: 1570, Part 2
- 2) AA7161001
- 3) AA0230408
- 4) IS: 1367, Part 17

EXPLANATORY NOTE

The following changes have been made in this revision

- Clause 2.1, IS: 2016-1967 Table 1 changed to Table-2



Note

- 1) Corporate sub-code numbers are shown below.
- 2) Weights have been shown in kg per 1000 Nos.

Table-1

All dimensions are in mm

Size d, Nom.	Out Side dia D, Nom.	Thickness s, Nom.	Suitable for Bolt/Screw Size	Sub- Code	Weight
1.8	4	0.4	M1.6		
2.4	5	0.4	M2		
2.9	6.5	0.5	M2.5		
3.4	7	0.5	M3	019	0.11
4.5	9	0.8	M4		
5.5	10	1.0	M5		
6.6	12.5	1.6	M6	027	1.11
9.0	17.0	1.6	M8	035	2.05
11.0	21.0	2.0	M10	043	3.94
14.0	24.0	2.5	M12	051	5.85
18.0	30.0	3.15	M16	060*	11.10
22.0	37.0	3.15	M20	078	17.10
26.0	44.0	4.0	M24	086	31.00
(30.0)	50.0	4.0	(M27)		
33.0	56.0	4.0	M30	108	50.80
(36.0)	60.0	5.0	(M33)	116	71.02
39.0	66.0	5.0	M36	124	87.30
(42)	72.0	6.0	(M39)	132	126.51
45.0	78.0	6.0	M42		
52.0	92.0	8.0	M48		