

FED SUPPLY CLASS

5970

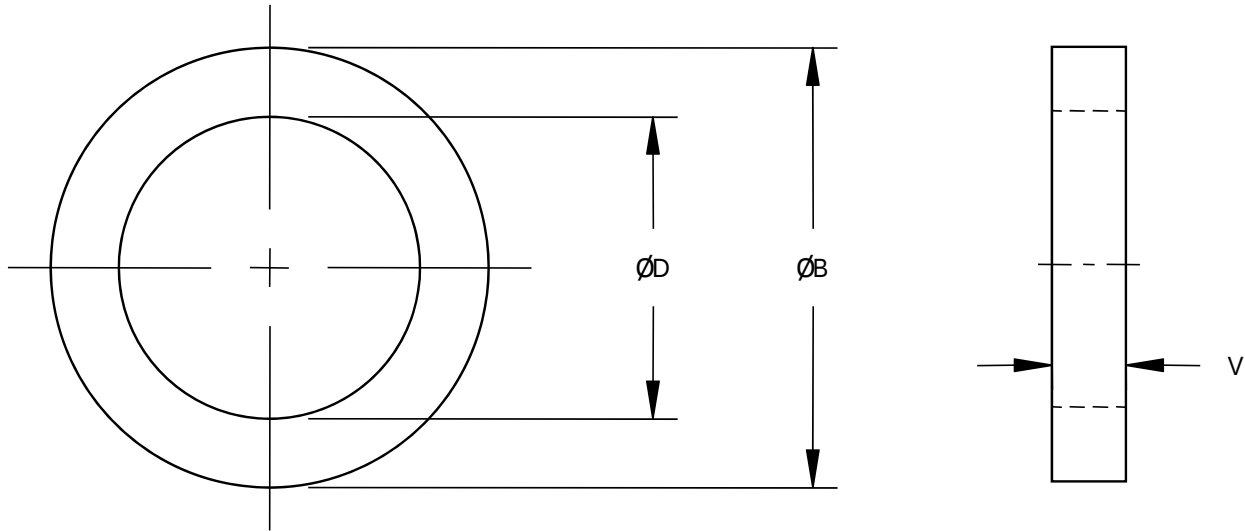


TABLE I – DIMENSIONS

DASH NUMBER	NOMINAL SIZE	ØB +.020 -.005	ØD		V
			Ø	TOLERANCE	
L3	No. 2 & No. 3	.250	.105	±.005	.031
3	No. 2 & No. 3	.250	.105		.063
L4	No. 4	.312	.125		.031
4	No. 4	.312	.125		.063
L6	No. 6	.375	.149		.031
6	No. 6	.375	.149		.063
L8	No. 8	.375	.174		.031
8	No. 8	.375	.174		.063
L10	No. 10	.438	.203		.031
10	No. 10	.438	.203		.063
H10	No. 10	.438	.203	±.010	.094
L416	.2500	.500	.265		.031
416	.2500	.500	.265		.063
H416	.2500	.500	.265		.094
L516	.3125	.562	.328		.031
516	.3125	.562	.328		.063
H516	.3125	.562	.328		.094
L616	.3750	.625	.390		.031
616	.3750	.625	.390		.063
H616	.3750	.625	.390		.094

⑤ COMPLETELY REVISED

THIRD ANGLE PROJECTION	
PROCUREMENT SPECIFICATION	
NONE	

CUSTODIAN	
NATIONAL AEROSPACE STANDARDS COMMITTEE	
TITLE	
WASHER, NONMETALLIC, INSULATING, ELECTRICAL	⑤

REVISION	
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CLASSIFICATION PART STANDARD	
NAS549	
SHEET 1 OF 3	

AEROSPACE INDUSTRIES ASSOCIATION OF AMERICA, INC.
1000 WILSON BLVD.
ARLINGTON, VA 22209

THIS DRAWING SUPERSEDES ALL ANTECEDENT STANDARD DRAWINGS FOR THE SAME
PRODUCT AND SHALL BECOME EFFECTIVE NO LATER THAN SIX MONTHS FROM THE LAST
REVISION DATE.

FORM 09-01

REVISION DATE: SEPTEMBER 30, 2011

ISSUE DATE: JULY 1954

TABLE I – DIMENSIONS (CONTINUED)

DASH NUMBER	NOMINAL SIZE	ØB +.020 -.005	ØD		V
			Ø	TOLERANCE	
L716	.4375	.750	.453	±.010	.031
716	.4375	.750	.453		.063
H716	.4375	.750	.453		.094
L816	.5000	.875	.515		.031
816	.5000	.875	.515		.063
H816	.5000	.875	.515		.094
L916	.5625	1.062	.578		.031
916	.5625	1.062	.578		.063
H916	.5625	1.062	.578		.094
L1016	.6250	1.188	.640		.031
1016	.6250	1.188	.640		.063
H1016	.6250	1.188	.640		.094
L1216	.7500	1.312	.765		.031
1216	.7500	1.312	.765		.063
H1216	.7500	1.312	.765		.094
L1416	.8750	1.500	.890		.031
1416	.8750	1.500	.890		.063
H1416	.8750	1.500	.890		.094
L1616	1.0000	1.750	1.015		.031
1616	1.0000	1.750	1.015		.063
H1616	1.0000	1.750	1.015		.094

TABLE II – MATERIAL

CODE LETTER	SPECIFICATION	TYPE	TOLERANCE ON THICKNESS V		
			.031	.063	.094
F	ASTM D 710, COMMERCIAL GRADE, SHEET FORM. MIL F 1148, Grade CH Form 5	FIBER, INSULATION	±.005	±.007	±.008
"-"	ASTM D 709, GRADE XXXP OR XXXPC L P 513 PBE P	PHENOLIC - PAPER	±.0035	±.005	±.007
M	MIL-I-24768/16 MIL P 15035 FBM	PHENOLIC - COTTON	±.0065	±.0075	±.009
B	MIL-I-24768/14 MIL P 15035 FBG	PHENOLIC - COTTON	±.0065	±.0075	±.009
E	MIL-I-24768/13 MIL P 15035 FBE	PHENOLIC - COTTON	±.005	±.006	±.007
P	MIL-I-24768/1 MIL P 15037 GME	MELAMINE - GLASS	±.0065	±.0075	±.009
G	MIL-I-24768/3 MIL P 18177 GEB	EPOXY - GLASS	±.0065	±.0075	±.009

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NAS549

SHEET 2

MATERIAL: SEE TABLE II.

CODE:

CODE "L" IN TABLE IDENTIFIES THE LIGHT SERIES OF WASHERS.

CODE "H" IN TABLE IDENTIFIES THE HEAVY SERIES OF WASHERS.

MATERIAL CODE LETTERS (F, M, B, E, P, AND G) REPLACE THE DASH BETWEEN THE BASIC NUMBER AND THE DASH NUMBER.

EXAMPLE OF PART NUMBER:



NAS549-10 = PHENOLIC WASHER FOR NO. 10 THREAD SIZE, .063 THICK.

NAS549PL516 = MELAMINE WASHER FOR .3125 THREAD SIZE, .031 THICK.

NOTES:

- (1) DIMENSIONS IN INCHES.
- (2) REMOVE ALL BURRS.
- (3) UNLESS OTHERWISE SPECIFIED, PART INVENTORY MANUFACTURED TO PREVIOUS REVISIONS OF THE APPLICABLE DRAWING OR SPECIFICATION MAY BE PROCURED AND USED UNTIL STOCK IS DEPLETED.
- (4) UNLESS OTHERWISE SPECIFIED HEREIN, REFERENCED DOCUMENTS SHALL BE THE ISSUE IN EFFECT ON DATE OF MANUFACTURE. HOWEVER, EXISTING MATERIAL INVENTORY CERTIFIED TO A PREVIOUS REVISION OF THE APPLICABLE MATERIAL SPECIFICATION(S) IS ACCEPTABLE FOR USE UNTIL DEPLETION.
- (5) DIMENSIONING AND TOLERANCING PER ANSI Y14.5M-1982.
- (6) THIS STANDARD TAKES PRECEDENCE OVER DOCUMENTS REFERENCED HEREIN.

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NAS549

SHEET 3