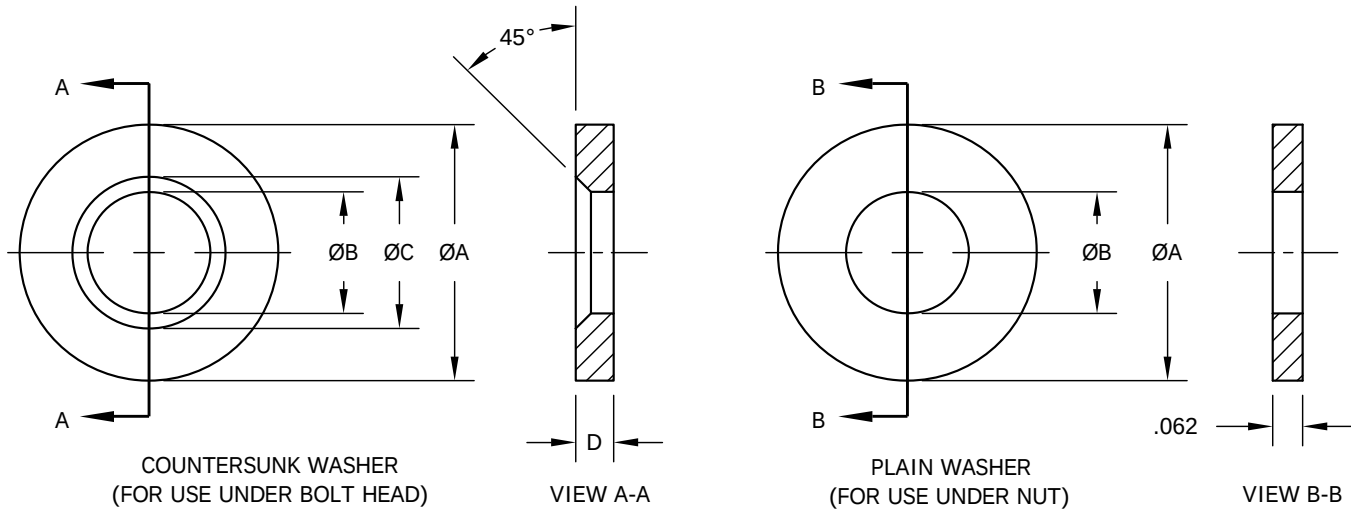


FED. SUPPLY CLASS

5310



③ TABLE I – DIMENSIONS

THREAD SIZE	PART NUMBER		ØA	ØB		ØC		D	FLATNESS TOLERANCE
	COUNTERSUNK	PLAIN		MAX	MIN	MAX	MIN		MAX
1/4	MS20002C4	MS20002-4	.531	.260	.252	.344	.334	.078	.007
5/16	MS20002C5	MS20002-5	.593	.324	.315	.406	.396		
3/8	MS20002C6	MS20002-6	.687	.385	.378	.495	.483		
7/16	MS20002C7	MS20002-7	.781	.451	.441	.557	.543	.078	.007
1/2	MS20002C8	MS20002-8	.875	.515	.504	.620	.604		
9/16	MS20002C9	MS20002-9	.968	.579	.568	.687	.667		
5/8	MS20002C10	MS20002-10	1.062	.643	.631	.785	.765	.078	.010
3/4	MS20002C12	MS20002-12	1.250	.770	.757	.910	.890		
7/8	MS20002C14	MS20002-14	1.437	.897	.884	1.035	1.015		
1	MS20002C16	MS20002-16	1.625	1.025	1.010	1.160	1.140	.078	.010
1-1/8	MS20002C18	MS20002-18	1.875	1.150	1.135	1.285	1.265		
1-1/4	MS20002C20	MS20002-20	2.125	1.275	1.260	1.447	1.427		
1-3/8	MS20002C22	MS20002-22	2.313	1.400	1.385	1.572	1.552	.094	.015
1-1/2	MS20002C24	MS20002-24	2.500	1.525	1.510	1.697	1.677		

MATERIAL: ALLOY STEEL PER AMS-STD-66 AIR4127, STEEL NO. 1330 OR 4130.

HEAT TREAT: 125,000 TO 145,000 PSI PER AMS-H-6875 AMS2759.

FINISH: CADMIUM PLATING PER AMS-QQ-P-416, TYPE II, CLASS 2. PARTS WITH CLASS 3 PLATING MAY BE FURNISHED FROM SUPPLIER'S STOCK UNTIL 1 JANUARY 1975.

THE INITIAL RELEASE OF THIS DOCUMENT SUPERSEDES MS20002, REVISION E. PART NUMBERS REMAIN MS20002.

THIRD ANGLE PROJECTION	CUSTODIAN		REVISION
	NATIONAL AEROSPACE STANDARDS COMMITTEE		3
PROCUREMENT SPECIFICATION	TITLE		CLASSIFICATION PART STANDARD
	WASHER, COUNTERSUNK AND PLAIN, HIGH STRENGTH		MS20002

NOTES:

- (1) REMOVE ALL BURRS AND SHARP EDGES.
- (2) WASHER FACES SHALL BE PARALLEL WITHIN .002 INCH.
- (3) DIMENSIONS IN INCHES AND APPLY AFTER FINISH UNLESS OTHERWISE SPECIFIED.
- (4) TOLERANCES UNLESS OTHERWISE SPECIFIED: DECIMALS $\pm .010$, ANGLES $\pm 1^\circ$.
- (5) THESE WASHERS ARE PRIMARILY FOR USE WITH THE 160,000 PSI INTERNAL WRENCHING BOLTS SHOWN ON NASM20004 THROUGH NASM20024.
- (6) THIS STANDARD TAKES PRECEDENCE OVER DOCUMENTS REFERENCED HEREIN.
- (3) (7) 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.
- (8) UNLESS OTHERWISE SPECIFIED, PART INVENTORY MANUFACTURED TO PREVIOUS REVISIONS OF THE APPLICABLE DRAWING OR SPECIFICATION MAY BE PROCURED AND USED UNTIL STOCK IS DEPLETED.
- (3) (9) DIMENSIONING AND TOLERANCING PER ANSI Y14.5M-1982.

INTERCHANGEABILITY:

(3)

SELECT WASHERS FROM THE FOLLOWING INTERCHANGEABILITY TABLE OF THIS STANDARD AS SUBSTITUTIVE PARTS FOR NAS143.

INACTIVATED PART NOS.	SUBSTITUTIVE PART NOS.
WASHER – COUNTERSUNK	
NAS143	MS20002
-4C	C4
-5C	C5
-6C	C6
-7C	C7
-8C	C8
-9C	C9
-10C	C10
-12C	C12
-14C	C14
-16C	C16
-18C	C18
-20C	C20
-22C	C22
-24C	C24

INACTIVATED PART NOS.	SUBSTITUTIVE PART NOS.
WASHER – PLAIN	
NAS143	MS20002
-4	-4
-5	-5
-6	-6
-7	-7
-8	-8
-9	-9
-10	-10
-12	-12
-14	-14
-16	-16
-18	-18
-20	-20
-22	-22
-24	-24

REVISION

3

NASM20002

SHEET 2



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