

FED.SUPPLY CLASS

5310

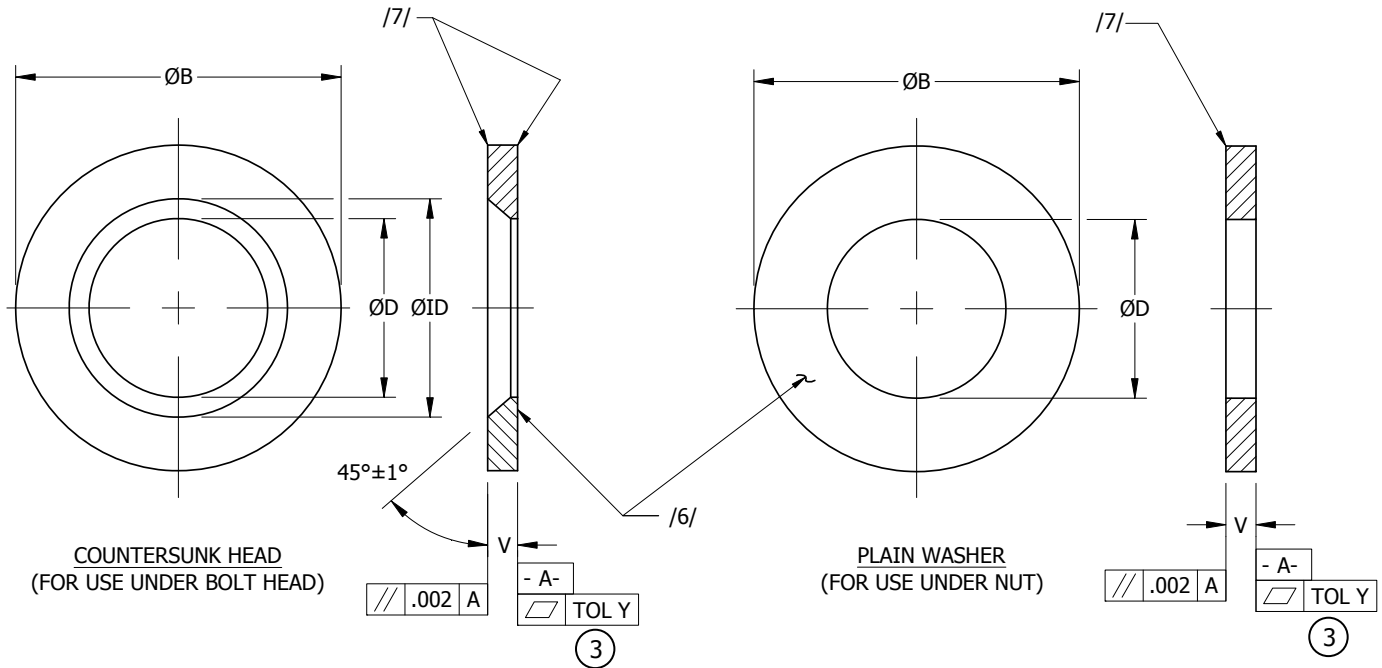


TABLE I – DIMENSIONS

NOMINAL HOLE SIZE	DASH NUMBER		ØB		ØD		ØID		V		Y TOLERANCE	APPROX. WT. LBS/100	
	CSK	PLAIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN		CSK	PLAIN
.1900	C3	3	.372	.362	.195	.191	.248	.238	.069	.057	.007	.14	.15
.2500	C4	4	.470	.460	.255	.251	.320	.310				.22	.23
.3125	C5	5	.585	.575	.318	.314	.396	.386				.34	.36
.3750	C6	6	.701	.691	.380	.376	.475	.465	.085	.071		.60	.64
.4375	C7	7	.817	.807	.443	.439	.549	.539				.82	.88
.5000	C8	8	.932	.922	.505	.501	.624	.614				1.06	1.15
.5625	C9	9	1.047	1.037	.568	.564	.698	.688	.119	.099	.010	1.33	1.45
.6250	C10	10	1.163	1.153	.631	.627	.774	.764				2.34	2.51
.7500	C12	12	1.394	1.384	.793	.789	.991	.981				3.05	3.46
.8750	C14	14	1.625	1.615	.918	.914	1.192	1.182	.147	.137		3.79	4.73
1.0000	C16	16	1.856	1.846	1.043	1.039	1.317	1.307				5.18	6.22

THE INITIAL RELEASE OF THIS DOCUMENT SUPERSEDES MS14183, REVISION B. PART NUMBERS REMAIN MS14183.

THIRD ANGLE PROJECTION	CUSTODIAN NATIONAL AEROSPACE STANDARDS COMMITTEE	REVISION 3
PROCUREMENT SPECIFICATION FF-W-92	TITLE WASHER, COUNTERSUNK AND PLAIN, FOR USE WITH BOLTS AND NUTS UP TO AND INCLUDING 220 KSI Ftu	CLASSIFICATION PART STANDARD
		MSM14183 SHEET 1 OF 2

MATERIAL:

NICKEL ALLOY 718 (UNS N07718) CONFORMING TO THE CHEMISTRY OF AMS5596, AMS5597 OR AMS5662.

HARDNESS:

36-45 HRC.

FINISH:

PASSIVATE PER AMS2700 METHOD 1, TYPE 2 OR TYPE 8, CLASS 4.
CADMIUM PLATE PER AMS-QQ-P-416 TYPE II, CLASS 2, (PASSIVATION NOT REQUIRED).

CODE:

PART NUMBER CONSISTS OF BASIC CALLOUT PLUS APPLICABLE FINISH CODE; PLAIN/COUNTERSUNK AND DASH NUMBER. FINISH CODE MUST NOW BE SPECIFIED.
ADD "P" AFTER BASIC CALLOUT TO DESIGNATE CADMIUM PLATE.
ADD "L" AFTER BASIC CALLOUT TO DESIGNATE PASSIVATE.

EXAMPLE OF PART NUMBER:

- MS14183L-C6 = WASHER; PASSIVATE; COUNTERSUNK; 3/8 INCH SIZE.
- MS14183P-C5 = WASHER; CADMIUM PLATE; COUNTERSUNK; 5/16 INCH SIZE.
- MS14183-3 = WASHER; PLAIN; FOR NO.10 SIZE; 220 KSI NUT (INACTIVE FOR NEW DESIGN).
- MS14183-C3 = WASHER; COUNTERSUNK; FOR NO.10 SIZE; 220 KSI BOLT (INACTIVE FOR NEW DESIGN).

NOTES:

- (1) DIMENSIONS ARE IN INCHES AND APPLY AFTER FINISH UNLESS OTHERWISE SPECIFIED.
- (2) DESIGN AND USAGE INFORMATION: THESE WASHERS ARE PRIMARILY FOR USE WITH NASM14181 BOLTS AND NASM14182 NUTS.
- (3) (3) SURFACE ROUGHNESS: 125 MICROINCHES Ra PER ASME B46.1.
- (4) THIS STANDARD TAKES PRECEDENCE OVER DOCUMENTS REFERENCED HEREIN.
- (3) (5) 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.
- /6/ MINIMUM BEARING AREA BASED ON A BEARING STRESS OF 65 KSI (1.0 INCH NOMINAL SIZE) AT MINIMUM TENSILE STRENGTH OF AN EQUIVALENT 220 KSI BOLT.
- /7/ BREAK EDGES .015-.005 x 45° OR .015 MAX RADIUS.
- (8) REMOVE ALL BURRS AND SLIVERS.
- (3) (9) LIQUID PENETRANT INSPECT PER ASTM E1417/E1417M.
- (10) 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) (11) DIMENSIONING AND TOLERANCING PER ANSI Y14.5M-1982.

REVISION

3

NASM14183

SHEET 2



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