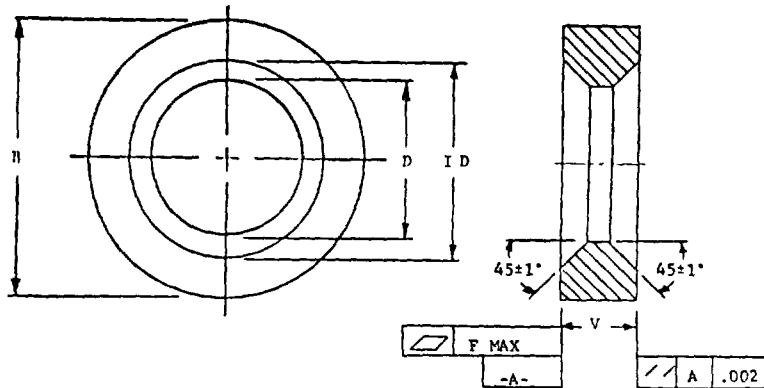


USER SYMBOL:

REVIEWER SYMBOL:

"Notice: user information is current as of the date of this document. For future coordination of changes to this document, draft circulation should be based on the information in the current DD155."

This military standard is approved for use by all Departments & Agencies of the Department of Defense. Selection for all new engineering and design applications and for repetitive use shall be made from this document.

FED. SUP CLASS
5310

REQUIREMENTS:

1. MATERIAL: ALLOY STEEL, MIL-S-6758, MIL-S-18729.
2. HARDNESS: ROCKWELL C 39-43.
3. SURFACE TEXTURE: 125/ IN ACCORDANCE WITH ANSI B46.1, 1971
4. PLATING: CADMIUM PLATE, QQ-P-416, TYPE II, CLASS 2.
5. REMOVE BURRS AND BREAK SHARP EDGES .005 MAX.

DASH NO.	NOMINAL SIZE	B		D		I D		V		F	APPROX WEIGHT LB/100
		MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN		
4	1/4	.532	.522	.255	.251	.347	.337	.133	.119	.007	.55
5	5/16	.651	.641	.318	.314	.409	.399	.133	.119		.83
6	3/8	.795	.785	.380	.376	.504	.494	.167	.153		1.58
7	7/16	.912	.902	.443	.439	.566	.556	.167	.153		2.07
8	1/2	1.038	1.028	.505	.501	.629	.619	.167	.153		2.71
9	9/16	1.158	1.148	.568	.564	.691	.681	.167	.153	.010	3.39
10	5/8	1.302	1.292	.631	.627	.785	.775	.198	.184		5.10
12	3/4	1.546	1.536	.756	.752	.910	.900	.198	.184		7.25
14	7/8	1.791	1.781	.881	.877	1.035	1.025	.198	.184		9.78

NOTES:

1. DIMENSIONS IN INCHES.
2. DESIGN AND USAGE INFORMATION: THESE WASHERS ARE PRIMARILY FOR USE WITH MS 14164 NUTS AND MS 14163 BOLTS.
3. EXAMPLE OF PART NUMBERS MS 14177-4 WASHER, COUNTERSUNK TWO SURFACES FOR 1/4" IN DIA, 220KSI BOLT.
4. FOR DESIGN FEATURE PURPOSES, THIS STANDARD TAKES PRECEDENCE OVER PROCUREMENT DOCUMENTS REFERENCED HEREIN.
5. REFERENCE DOCUMENTS SHALL BE OF THE ISSUE IN EFFECT ON DATE OF INVITATIONS FOR BIDS, OR REQUEST FOR PROPOSAL EXCEPT THAT REFERENCED ADOPTED INDUSTRY DOCUMENTS SHALL GIVE THE DATE OF THE ISSUE ADOPTED.

P.A. NAVY - AS Other Cust USAF - 11 ARMY - AV	TITLE WASHER, RECESSED, COUNTERSUNK TWO SURFACES, FOR USE WITH WHEEL BOLTS AND NUTS UP TO AND INCLUDING 220KSI Ftu	MILITARY STANDARD MS14177
PROCUREMENT SPECIFICATION FF-W-92	SUPERSEDES:	SHEET 1 OF 1

DD FORM 672-1 (Coordinated)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE. PROJECT NO. 5310-0957

PLATE NO. 23063

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