

FED SUP CLASS  
5306

USER ACTIVITIES:

REVISOR ACTIVITIES  
AIR FORCE-82  
DLA-IS

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MBC 1/A

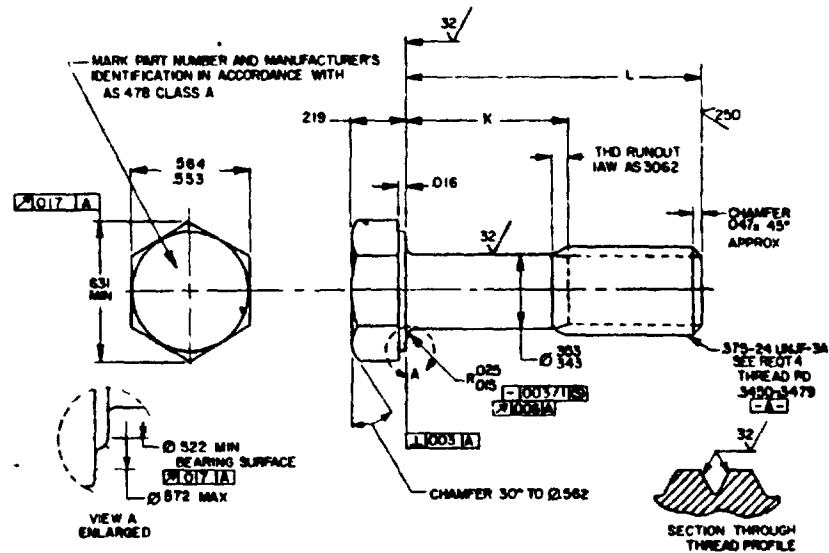


TABLE I DASH NUMBERS AND DIMENSIONS

DASH NUMBER	L	K	APPROX WEIGHT LB/100	DASH NUMBER	L	K	APPROX WEIGHT LB/100
-04	.625	.080-.100	3.35	-31	2.875	1.815-1.875	9.41
-05	.688	.080-.100	3.52	-32	3.000	1.940-2.000	9.74
-06	.750	.080-.100	3.69	-33	3.125	2.065-2.125	10.08
-07	.812	.080-.100	3.86	-34	3.250	2.190-2.250	10.41
-08	.875	.080-.100	4.03	-35	3.375	2.315-2.375	10.75
-09	.938	.080-.100	4.20	-36	3.500	2.440-2.500	11.09
-10	1.000	.080-.100	4.37	-37	3.625	2.565-2.625	11.42
-11	1.062	.080-.100	4.53	-38	3.750	2.690-2.750	11.76
-12	1.125	.080-.125	4.70	-39	3.875	2.815-2.875	12.09
-13	1.188	.120-.180	4.87	-40	4.000	2.940-3.000	12.43
-14	1.250	.190-.250	5.04	-41	4.125	3.065-3.125	12.77
-15	1.312	.252-.312	5.21	-42	4.250	3.190-3.250	13.10
-16	1.375	.315-.375	5.37	-43	4.375	3.315-3.375	13.44
-17	1.438	.378-.438	5.54	-44	4.500	3.440-3.500	13.77
-18	1.500	.440-.500	5.71	-45	4.625	3.565-3.625	14.11
-19	1.562	.502-.562	5.88	-46	4.750	3.690-3.750	14.45
-20	1.625	.565-.625	6.05	-47	4.875	3.815-3.875	14.78
-21	1.688	.628-.688	6.21	-48	5.000	3.940-4.000	15.12
-22	1.750	.690-.750	6.38	-49	5.125	4.065-4.125	15.45
-23	1.875	.815-.875	6.72	-50	5.250	4.190-4.250	15.79
-24	2.000	.940-1.000	7.05	-51	5.375	4.315-4.375	16.13
-25	2.125	1.065-1.125	7.39	-52	5.500	4.440-4.500	16.46
-26	2.250	1.190-1.250	7.73	-53	5.625	4.565-4.625	16.80
-27	2.375	1.315-1.375	8.06	-54	5.750	4.690-4.750	17.13
-28	2.500	1.440-1.500	8.40	-55	5.875	4.815-4.875	17.47
-29	2.625	1.565-1.625	8.73	-56	6.000	4.940-5.000	17.81
-30	2.750	1.690-1.750	9.07				

Ⓐ ENTIRE STANDARD REVISED

NAVY-AS ARMY-AV AIR FORCE-89	INTERNATIONAL INTEREST	TITLE BOLT, MACHINE, HEXAGON HEAD, STEEL, CADMIUM PLATED, .375-24UNJF-3A	MILITARY STANDARD MS9521
PROCUREMENT SPECIFICATION AMS 7452	SUPERSEDES	PAGE 1 OF 2	

DD FORM 1 MAY 78 672-1 (COORDINATED)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

5306-0985

APPROVED 2 FEB 68 REVISED 22 MAY 86

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5306

## REQUIREMENTS:

1. MATERIAL: IN ACCORDANCE WITH AMS 6322-80.
2. PROTECTIVE COATING AND SURFACE TREATMENT: CADMIUM PLATE IN ACCORDANCE WITH AMS 2400-80. DIMENSIONS SPECIFIED ARE AFTER PLATING.
3. HARDNESS: 26-32 HRC.
4. THREADS: THREADS IN ACCORDANCE WITH MIL-8-8879.
5. SURFACE TEXTURE: SURFACE TEXTURE IN ACCORDANCE WITH ANSI B46.1. UNLESS OTHERWISE SPECIFIED SURFACES TO RA 125 MICROINCHES, EXCEPT HEXAGON.
6. DIMENSIONING AND TOLERANCING: DIMENSIONING AND TOLERANCING SHALL BE IN ACCORDANCE WITH ANSI Y14.5M.
7. HEAD TO SHANK FILLET: HEAD TO SHANK FILLET SHALL BE COLD ROLLED AFTER HEAT TREATMENT TO REMOVE ALL VISUAL EVIDENCE OF GRINDING OR TOOL MARKS EXCEPT DASH NUMBER SIZES -14 AND SMALLER.
8. TOLERANCE: UNLESS OTHERWISE SPECIFIED, TOLERANCES SHALL BE FOR LINEAR DIMENSIONS  $\pm .010$ , ANGULAR DIMENSIONS  $\pm 30^\circ$ .
9. MAGNETIC PARTICLE INSPECTION: MAGNETIC PARTICLE INSPECTION SHALL BE IN ACCORDANCE WITH AMS 2640-83.
10. EDGES: BREAK SHARP EDGES .003-.015 UNLESS OTHERWISE SPECIFIED.
11. PART NUMBER. THE PART NUMBER SHALL CONSIST OF THE BASIC MS NUMBER FOLLOWED BY A DASH NUMBER FROM TABLE I

EXAMPLE: MS9521-04

└── DASH NUMBER  
└── BASIC MS NUMBER

MS9521-04 INDICATES - BOLT, MACHINE, HEXAGON HEAD, .375-24  
UNJF-3A, LENGTH .625.

## NOTES:

1. ALL DIMENSIONS IN INCHES.
2. DO NOT USE UNASSIGNED PART NUMBERS.
3. IN THE EVENT OF A CONFLICT BETWEEN THE TEXT OF THIS STANDARD AND THE REFERENCES CITED HEREIN, THE TEXT OF THIS STANDARD SHALL TAKE PRECEDENCE.
4. REFERENCED GOVERNMENT (OR NONGOVERNMENT) DOCUMENTS OF THE ISSUE LISTED IN THAT ISSUE OF THE DEPARTMENT OF DEFENSE INDEX OF SPECIFICATIONS AND STANDARDS (DODISS) SPECIFIED IN THE SOLICITATION FORM A PART OF THIS STANDARD TO THE EXTENT SPECIFIED HEREIN.
5. THIS STANDARD WAS DEVELOPED COOPERATIVELY WITH THE SAE AEROSPACE PROPULSION DIVISION
6. AS AND AMS ARE SAE PUBLICATIONS.

APPROVED 2 FEB 68 RETIRED (A) FOR CHANGES SEE PAGES 1 AND 2

U.S. NAVY-AS Other Code ARMY-AV AIR FORCE-99	INTERNATIONAL INTEREST	TITLE BOLT, MACHINE, HEXAGON HEAD, STEEL, CADMIUM PLATED, .375-24 UNJF-3A	MILITARY STANDARD
			MS9521
PROCUREMENT SPECIFICATION AMS 7452	SUPERSEDES:	PAGE 2 OF 2	

DD FORM 672-1 (COORDINATED)

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USER ACTIVITIES

REVIEWER ACTIVITIES  
AIR FORCE-82  
DUA-19

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