

FED. SUP CLASS  
5306

USER ACTIVITIES:

REVIEWER ACTIVITIES:

DLA-15

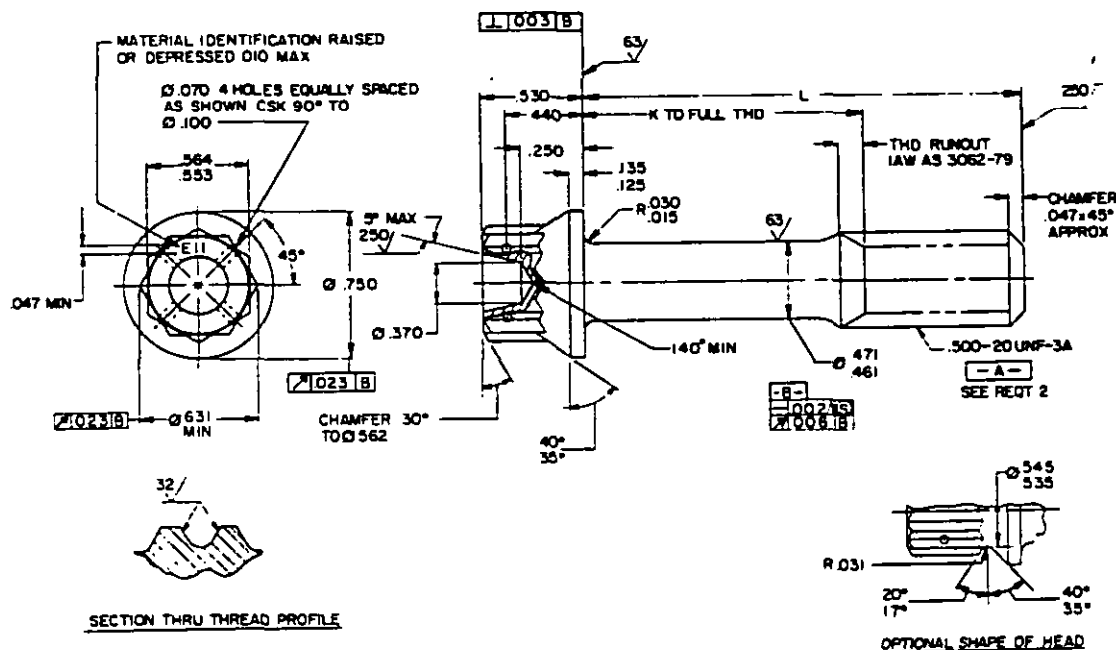


TABLE 1. DASH NUMBERS AND DIMENSIONS

DASH NUMBER	L	K +.000 -.060	APPROX WEIGHT LBS/100	DASH NUMBER	L	K +.000 -.060	APPROX WEIGHT LBS/100	DASH NUMBER	L	K +.000 -.060	APPROX WEIGHT LBS/100
-06	.938	✓	8.41	-23	2.250	1.000	14.61	-40	4.375	3.125	24.89
-07	1.000	✓	8.70	-24	2.375	1.125	15.21	-41	4.500	3.250	25.50
-08	1.062	✓	8.99	-25	2.500	1.250	15.82	-42	4.625	3.375	26.11
-09	1.125	✓	9.28	-26	2.625	1.375	16.42	-43	4.750	3.500	26.71
-10	1.188	✓	9.57	-27	2.750	1.500	17.01	-44	4.875	3.625	27.32
-11	1.250	✓	9.86	-28	2.875	1.625	17.61	-45	5.000	3.750	27.92
-12	1.312	✓	10.15	-29	3.000	1.750	18.22	-46	5.125	3.875	28.53
-13	1.375	.125	10.45	-30	3.125	1.875	18.83	-47	5.250	4.000	29.13
-14	1.438	.188	10.74	-31	3.250	2.000	19.43	-48	5.375	4.125	29.74
-15	1.500	.250	11.04	-32	3.375	2.125	20.04	-49	5.500	4.250	30.35
-16	1.562	.312	11.33	-33	3.500	2.250	20.65	-50	5.625	4.375	30.95
-17	1.625	.375	11.63	-34	3.625	2.375	21.26	-51	5.750	4.500	31.56
-18	1.688	.438	11.92	-35	3.750	2.500	21.86	-52	5.875	4.625	32.16
-19	1.750	.500	12.22	-36	3.875	2.625	22.47	-53	6.000	4.750	32.77
-20	1.875	.625	12.81	-37	4.000	2.750	23.07				
-21	2.000	.750	13.41	-38	4.125	2.875	23.68				
-22	2.125	.875	14.00	-39	4.250	3.000	24.29				

1/ THREAD TO HEAD. MAXIMUM TWO INCOMPLETE THREADS

© DENOTES CHANGES

INACTIVE FOR DESIGN AFTER  
28 FEB 84  
FOR PARTS WITH MIL-S-8879  
SCREW THREADS SEE MS9928

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AMSC N/A

P. A. NAVY-AS Other Cast	INTERNATIONAL INTEREST	TITLE © BOLT-MACHINE, DRILLED 12 POINT HEAD, STEEL, .500-20 UNF-3A	MILITARY STANDARD MS9093
AIR FORCE-II			
PROCUREMENT SPECIFICATION AMS 7452	SUPERSEDES:		PAGE 1 OF 2

DD FORM 672-1 (COORDINATED)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

5306-1192

APPROVED 25 APR 57 REVISED (B) 25 SEP 86 (C) 12 JUN 87

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## REQUIREMENTS:

- (C) 1. MATERIAL: STEEL IN ACCORDANCE WITH AMS 6322-80.
2. THREADS: THREADS IN ACCORDANCE WITH MIL-S-7742. INCOMPLETE THREADS NOT TO ENTER FILLET.
3. FINISH: CADMIUM PLATE IN ACCORDANCE WITH AMS 2400-80. DIMENSIONS SPECIFIED ARE AFTER PLATING.
4. HARDNESS: 26-32 HRC.
5. DIMENSIONING AND TOLERANCING: DIMENSIONING AND TOLERANCING SHALL BE IN ACCORDANCE WITH ANSI Y14.5M.
6. WRENCHING CONFIGURATION: WRENCHING CONFIGURATION IN ACCORDANCE WITH AS870-74.
7. SURFACE TEXTURE: SURFACE TEXTURE, UNLESS OTHERWISE SPECIFIED, SHALL BE 125 MICRONS, EXCEPT UPSET HEAD, IN ACCORDANCE WITH AMS 846.1.
8. MAGNETIC PARTICLE INSPECTION: MAGNETIC PARTICLE INSPECTION SHALL BE IN ACCORDANCE WITH AMS 2640-83.
9. TOLERANCE: UNLESS OTHERWISE SPECIFIED, TOLERANCES SHALL BE FOR LINEAR DIMENSIONS  $\pm .010$ , ANGULAR DIMENSIONS  $\pm 5^\circ$ .
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 1.

EXAMPLE: MS9093-06

— DASH NUMBER

— BASIC MS NUMBER

MS9093-06 INDICATES: BOLT, MACHINE, STEEL DRILLED 12 POINT HEAD;  
.500-20 UNF-3A; LENGTH .938.

## NOTES:

- ALL DIMENSIONS ARE IN INCHES.
- DO NOT USE UNASSIGNED PART NUMBERS.
- 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.
- REFERENCED GOVERNMENT (OR NONGOVERNMENT) DOCUMENTS OF THE ISSUE LISTED IN THAT ISSUE OF THE DEPARTMENT OF DEFENSE INDEX OF SPECIFICATIONS AND STANDARDS (DDOISS) SPECIFIED IN THE SOLICITATION FORM A PART OF THIS STANDARD TO THE EXTENT SPECIFIED HEREIN.
- THIS STANDARD WAS DEVELOPED COOPERATIVELY WITH THE SAE AEROSPACE PROPULSION DIVISION.
- AS AND AMS ARE SAE PUBLICATIONS.
- SUBJECT TERM (KEY WORD) LISTING.

BOLT, MACHINE, STEEL DRILLED 12 POINT HEAD, CADMIUM PLATE

APPROVED 25 APR 57 REVISED (C) FOR CHANGES SEE PAGES 1 AND 2

P. A. NAVY - AS Other Code	INTERNATIONAL INTEREST	TITLE BOLT-MACHINE, © DRILLED 12 POINT HEAD, STEEL, .500-20 UNF-3A	MILITARY STANDARD MS 9093
AIR FORCE - II			
PROCUREMENT SPECIFICATION AMS 7452	SUPERSEDES		PAGE 2 OF 2

DD FORM 672-1 (COORDINATED)

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5306-1192

USER ACTIVITIES

REVIEWER ACTIVITIES  
DLA-1S

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