

USER ACTIVITIES:

REVIEWER A
AIR FORCE-82
DLA-IS

DISSEMINABILITY

This military activity is approved for use by all Departments and Agencies of the Department of Defense. Selection for all non-engineering and design applications and for repetitive use shall be made from this document when applicable.

TATEMENT A. Approved for public release; distribution is unlimited.

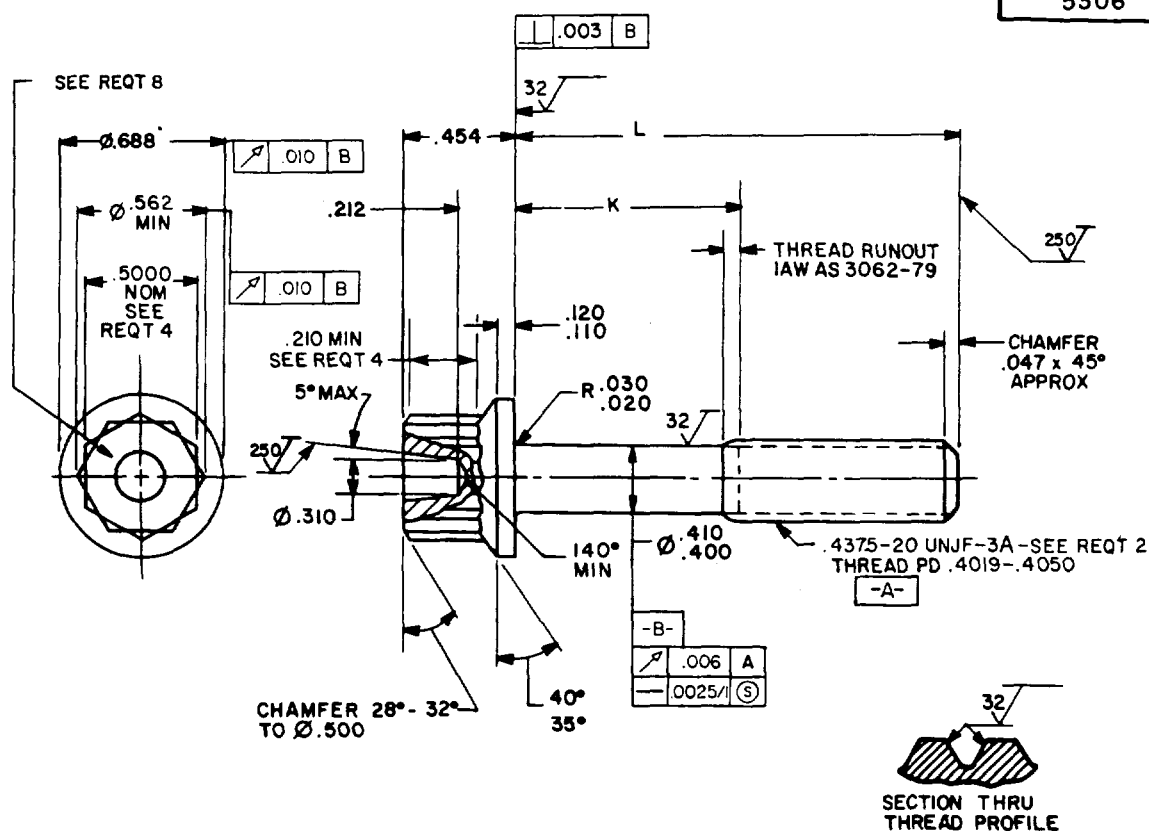


TABLE I. DASH NUMBERS AND DIMENSIONS

DASH NUMBER	L	K	APPROX WEIGHT LB/100	DASH NUMBER	L	K	APPROX WEIGHT LB/100	DASH NUMBER	L	K	APPROX WEIGHT LB/100
-04	.688	.105-.125	5.46	-22	1.812	.627-.687	9.75	-40	4.000	2.815-2.875	18.09
-05	.750	.105-.125	5.70	-23	1.875	.690-.750	9.99	-41	4.125	2.940-3.000	18.57
-06	.812	.105-.125	5.93	-24	2.000	.815-.875	10.46	-42	4.250	3.065-3.125	19.04
-07	.875	.105-.125	6.17	-25	2.125	.940-1.000	10.94	-43	4.375	3.190-3.250	19.52
-08	.938	.105-.125	6.41	-26	2.250	1.065-1.125	11.42	-44	4.500	3.315-3.375	19.99
-09	1.000	.105-.125	6.65	-27	2.375	1.190-1.250	11.89	-45	4.625	3.440-3.500	20.47
-10	1.062	.105-.125	6.89	-28	2.500	1.315-1.375	12.37	-46	4.750	3.565-3.625	20.95
-11	1.125	.105-.125	7.13	-29	2.625	1.440-1.500	12.85	-47	4.875	3.690-3.750	21.42
-12	1.188	.105-.125	7.37	-30	2.750	1.565-1.625	13.32	-48	5.000	3.815-3.875	21.90
-13	1.250	.105-.125	7.60	-31	2.875	1.690-1.750	13.80	-49	5.125	3.940-4.000	22.38
-14	1.312	.128-.188	7.84	-32	3.000	1.815-1.875	14.28	-50	5.250	4.065-4.125	22.85
-15	1.375	.190-.250	8.08	-33	3.125	1.940-2.000	14.75	-51	5.375	4.190-4.250	23.33
-16	1.438	.252-.312	8.32	-34	3.250	2.065-2.125	15.23	-52	5.500	4.315-4.375	23.81
-17	1.500	.315-.375	8.56	-35	3.375	2.190-2.250	15.71	-53	5.625	4.440-4.500	24.28
-18	1.562	.378-.438	8.79	-36	3.500	2.315-2.375	16.18	-54	5.750	4.565-4.625	24.76
-19	1.625	.440-.500	9.03	-37	3.625	2.440-2.500	16.66	-55	5.875	4.690-4.750	25.24
-20	1.688	.502-.562	9.27	-38	3.750	2.565-2.625	17.14	-56	6.000	4.815-4.875	25.71
-21	1.750	.565-.625	9.51	-39	3.875	2.690-2.750	17.61				

Ⓐ ENTIRE STANDARD REVISED

P. A. NAVY-AS Other Cust ARMY-AV AIR FORCE-99	INTERNATIONAL INTEREST	TITLE BOLT, MACHINE-DOUBLE HEXAGON, EXTENDED WASHER HEAD, CORROSION AND HEAT RESISTANT STEEL, 4375-20 UNJF-3A	MILITARY STANDARD MS9700
PROCUREMENT SPECIFICATION AMS 7471	SUPERSEDES:	PAGE 1 OF 2	

APPROVED 3 MAR 69 REVISED (A) 24 FEB 86

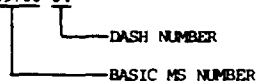
FED. SUP CLASS
5306

USER ACTIVITIES:

REQUIREMENTS:

1. MATERIAL: CORROSION AND HEAT RESISTANT STEEL IN ACCORDANCE WITH AMS 5708.
2. THREADS: THREADS IN ACCORDANCE WITH MIL-S-8879. INCOMPLETE THREADS NOT TO ENTER FILLET.
3. DIMENSIONING AND TOLERANCING: DIMENSIONING AND TOLERANCING SHALL BE IN ACCORDANCE WITH ANSI Y14.5M.
4. WRENCHING CONFIGURATION: WRENCHING CONFIGURATION IN ACCORDANCE WITH AS 870.
5. SURFACE TEXTURE: SURFACE TEXTURE, UNLESS OTHERWISE SPECIFIED, SHALL BE 125 MICROINCHES EXCEPT UPSET HEAD IN ACCORDANCE WITH ANSI B46.1.
6. FLUORESCENT PENETRANT INSPECTION: FLUORESCENT PENETRANT INSPECTION SHALL BE IN ACCORDANCE WITH AMS 2645-83.
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 -15 AND SMALLER.
8. MARKING: MARK PART NUMBER AND MANUFACTURER'S IDENTIFICATION IN ACCORDANCE WITH AS 478-79, CLASS A.
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 I.

EXAMPLE: MS9700-04



MS9700-04 INDICATES: BOLT, MACHINE - DOUBLE HEXAGON EXTENDED WASHER HEAD,
.4375-20 UNJF-3A, LENGTH .688

NOTES:

1. ALL DIMENSIONS ARE 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.

REVIEWER ACTIVITIES:
AIR FORCE-82
DLA-IS

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 document when applicable.

APPROVED 3 MAR 69 REVISED (A) FOR CHANGES SEE PAGE 1 AND 2

P. A. NAVY-AS Other Govt ARMY-AV AIR FORCE-99	INTERNATIONAL INTEREST	TITLE BOLT, MACHINE-DOUBLE HEXAGON, EXTENDED WASHER HEAD, CORROSION AND HEAT RESISTANT STEEL, .4375-20 UNJF-3A	MILITARY STANDARD MS9700
PROCUREMENT SPECIFICATION AMS 7471	SUPERSEDES:	PAGE 2 OF 2	