

FED. SUP CLASS  
5306

USER ACTIVITIES:

REVIEWER ACTIVITIES:  
AIR FORCE-82  
DLA-IS

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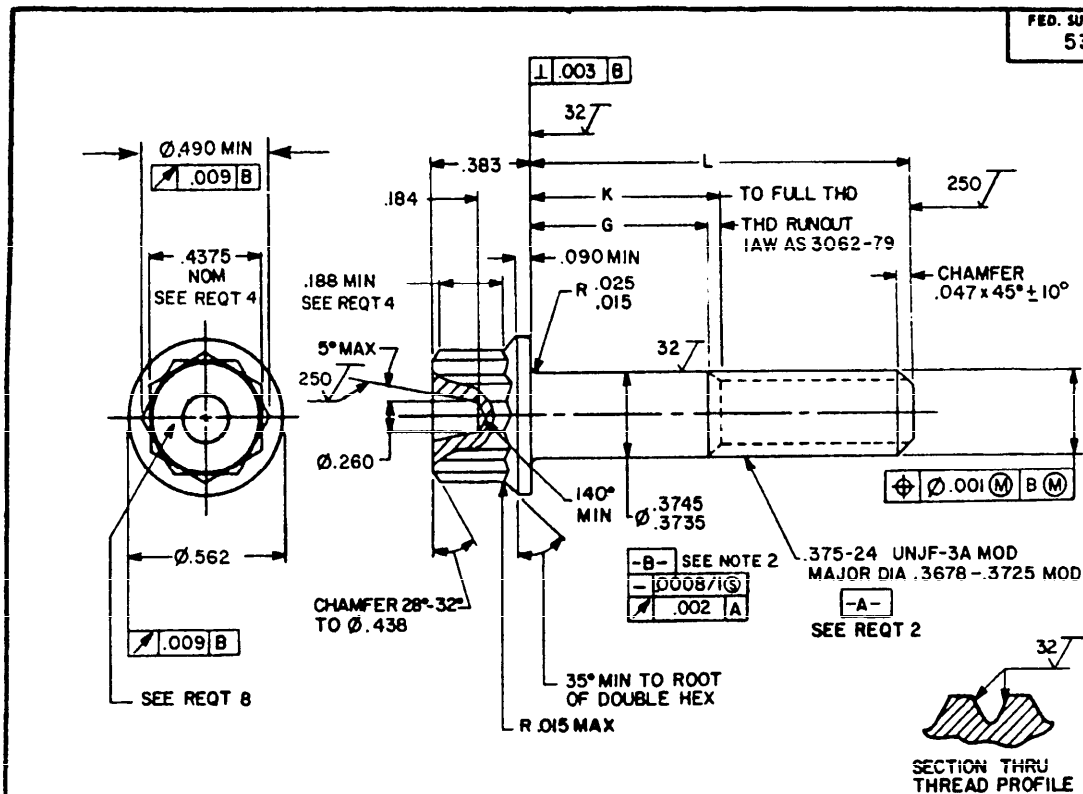


TABLE 1. DASH NUMBERS AND DIMENSIONS

DASH NUMBER	L INCH	G MIN INCH	K MAX INCH	APPROX MASS LB/100	DASH NUMBER	L INCH	G MIN INCH	K MAX INCH	APPROX MASS LB/100
-03	.848	.105	.198	4.18	-31	2.598	1.855	1.948	9.87
-04	.910	.167	.260	4.38	-32	2.660	1.917	2.010	10.08
-05	.972	.229	.322	4.58	-33	2.722	1.979	2.072	10.28
-06	1.035	.292	.385	4.79	-34	2.785	2.042	2.135	10.48
-07	1.098	.355	.448	5.00	-35	2.848	2.105	2.198	10.69
-08	1.160	.417	.510	5.20	-36	2.910	2.167	2.260	10.89
-09	1.222	.479	.572	5.40	-37	2.972	2.229	2.322	11.09
-10	1.285	.542	.635	5.60	-38	3.035	2.292	2.385	11.30
-11	1.348	.605	.698	5.81	-39	3.098	2.355	2.448	11.50
-12	1.410	.667	.760	6.01	-40	3.160	2.417	2.510	11.70
-13	1.472	.729	.822	6.21	-41	3.222	2.479	2.572	11.90
-14	1.535	.792	.885	6.42	-42	3.285	2.542	2.635	12.11
-15	1.598	.855	.948	6.62	-43	3.348	2.605	2.698	12.31
-16	1.660	.917	1.010	6.82	-44	3.410	2.667	2.760	12.52
-17	1.722	.979	1.072	7.02	-45	3.472	2.729	2.822	12.72
-18	1.785	1.042	1.135	7.23	-46	3.535	2.792	2.885	12.92
-19	1.848	1.105	1.198	7.44	-47	3.598	2.855	2.948	13.13
-20	1.910	1.167	1.260	7.64	-48	3.660	2.917	3.010	13.33
-21	1.972	1.229	1.322	7.84	-49	3.722	2.979	3.072	13.53
-22	2.035	1.292	1.385	8.04	-50	3.785	3.042	3.135	13.74
-23	2.098	1.355	1.448	8.25	-51	3.848	3.105	3.198	13.94
-24	2.160	1.417	1.510	8.45	-52	3.910	3.167	3.260	14.14
-25	2.222	1.479	1.572	8.65	-53	3.972	3.229	3.322	14.34
-26	2.285	1.542	1.635	8.86	-54	4.035	3.292	3.385	14.55
-27	2.348	1.605	1.698	9.06	-55	4.098	3.355	3.448	14.76
-28	2.410	1.667	1.760	9.26	-56	4.160	3.417	3.510	14.96
-29	2.472	1.729	1.822	9.47	-57	4.222	3.479	3.572	15.16
-30	2.535	1.792	1.885	9.67	-58	4.285	3.542	3.635	15.36

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P. A. NAVY-AS  
Other Cust  
ARMY- AV  
AIR FORCE-99INTERNATIONAL  
INTERESTTITLE BOLT, MACHINE - DOUBLE HEXAGON,  
EXTENDED WASHER HEAD, CLOSE TOLER-  
ANCE SHANK, CORROSION AND HEAT  
RESISTANT STEEL, .375-24 UNJF-3A

MILITARY STANDARD

MS9726

PROCUREMENT SPECIFICATION  
AMS 747I

SUPERSEDES:

PAGE 1 OF 2

TABLE I. DASH NUMBERS AND DIMENSIONS - CONTINUED

DASH NUMBER	L INCH	G MIN INCH	K MAX INCH	APPROX MASS LB/100	DASH NUMBER	L INCH	G MIN INCH	K MAX INCH	APPROX MASS LB/100
-59	4.348	3.605	3.698	15.57	-71	5.098	4.355	4.448	18.01
-60	4.410	3.667	3.760	15.77	-72	5.160	4.417	4.510	18.21
-61	4.472	3.729	3.822	15.97	-73	5.222	4.479	4.572	18.41
-62	4.535	3.792	3.885	16.18	-74	5.285	4.542	4.635	18.62
-63	4.598	3.855	3.948	16.38	-75	5.348	4.605	4.698	18.82
-64	4.660	3.917	4.010	16.58	-76	5.410	4.667	4.760	19.02
-65	4.722	3.979	4.072	16.78	-77	5.472	4.729	4.822	19.22
-66	4.785	4.042	4.135	16.99	-78	5.535	4.792	4.885	19.43
-67	4.848	4.105	4.198	17.19	-79	5.598	4.855	4.948	19.63
-68	4.910	4.167	4.260	17.40	-80	5.660	4.917	5.010	19.83
-69	4.972	4.229	4.322	17.60					
-70	5.035	4.292	4.385	17.80					

## REQUIREMENTS:

- MATERIAL:** CORROSION AND HEAT RESISTANT STEEL IN ACCORDANCE WITH AMS 5708.
- THREADS:** THREADS IN ACCORDANCE WITH MIL-S-8879. INCOMPLETE THREADS NOT TO ENTER FILLET.
- DIMENSIONING AND TOLERANCING:** DIMENSIONING AND TOLERANCING SHALL BE IN ACCORDANCE WITH ANSI Y14.5M.
- WRENCHING CONFIGURATION:** WRENCHING CONFIGURATION IN ACCORDANCE WITH AS 870.
- SURFACE TEXTURE:** SURFACE TEXTURE, UNLESS OTHERWISE SPECIFIED, SHALL BE 125 MICROINCHES EXCEPT UPSET HEAD IN ACCORDANCE WITH ANSI B46.1.
- FLUORESCENT PENETRANT INSPECTION:** FLUORESCENT PENETRANT INSPECTION SHALL BE IN ACCORDANCE WITH AMS 2645-83.
- 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 THAT DISTORTIONS AT A IN FIGURE 2 OF THE PROCUREMENT SPECIFICATION SHALL NOT BE PERMITTED ON THE HEAD BEARING AREA AND SHALL BE PERMITTED ON THE SHANK DIAMETER ONLY IF THE DISTORTION DOES NOT CAUSE THE SHANK DIAMETER TO EXCEED .3750 DIAMETER EXCEPT DASH NUMBER SIZES -09 AND SMALLER.
- MARKING:** MARK PART NUMBER AND MANUFACTURER'S IDENTIFICATION IN ACCORDANCE WITH AS 478-79, CLASS A.
- TOLERANCES:** UNLESS OTHERWISE SPECIFIED, TOLERANCES SHALL BE FOR LINEAR DIMENSIONS  $\pm .010$ , ANGULAR DIMENSIONS  $\pm 5^\circ$ .
- EDGES:** BREAK SHARP EDGES .003-.015 UNLESS OTHERWISE SPECIFIED.
- PART NUMBER:** THE PART NUMBER SHALL CONSIST OF THE BASIC MS NUMBER FOLLOWED BY A DASH NUMBER FROM TABLE I.

EXAMPLE: MS9726-03

DASH NUMBER

BASIC MS NUMBER

MS9726-03 INDICATES: BOLT, MACHINE - DOUBLE HEXAGON EXTENDED WASHER HEAD, CLOSE TOLERANCE SHANK, .375-24 UNJF-3A, LENGTH .848

## NOTES:

- ALL DIMENSIONS ARE IN INCHES.
- FOR PART NUMBERS -03 THRU -09 THE THREAD PD SHALL REPLACE DATUM B.
- 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 (DODISS) 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.

P. A. NAVY-AS Other Cust ARMY- AV AIR FORCE-99	INTERNATIONAL INTEREST	TITLE BOLT, MACHINE - DOUBLE HEXAGON, EXTENDED WASHER HEAD, CLOSE TOLER- ANCE SHANK, CORROSION AND HEAT RESISTANT STEEL, .375-24 UNJF-3A	MILITARY STANDARD <b>MS9726</b>
PROCUREMENT SPECIFICATION AMS 7471	SUPERSEDES:	PAGE 2 OF 2	

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