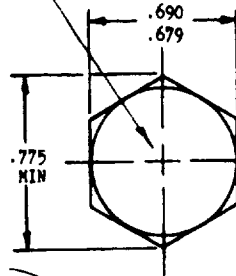
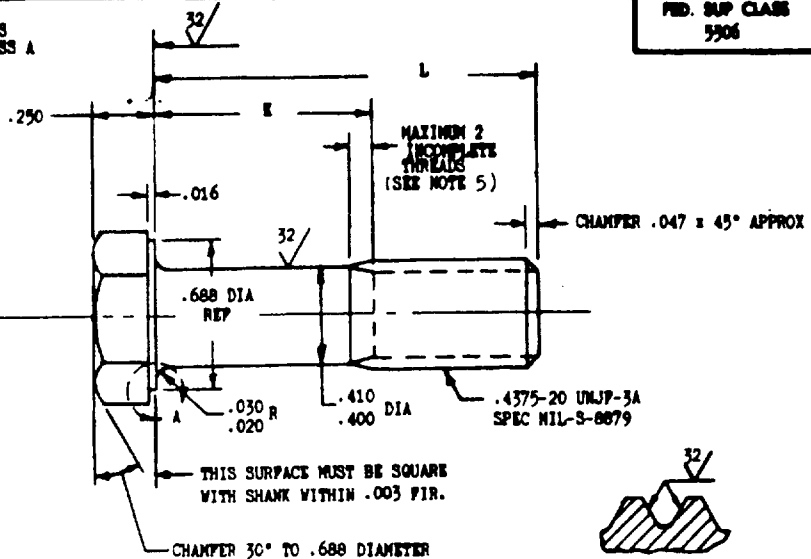


**MS9287**MARK MS9287 AND MANUFACTURERS  
IDENTIFICATION PER AS478 CLASS AVIEW A  
ENLARGED.648 DIA MIN  
BEARING SURFACE

SECTION THROUGH THREAD PROFILE

PART NUMBER	L	K	APPROX WEIGHT LB/100	PART NUMBER	L	K	APPROX WEIGHT LB/100
MS9287-04	.688	.105-.125	5.78	MS9287-31	3.000	1.815-1.875	14.20
MS9287-05	.750	.105-.125	6.01	MS9287-32	3.125	1.940-2.000	14.65
MS9287-06	.812	.105-.125	6.24	MS9287-33	3.250	2.065-2.125	15.11
MS9287-07	.875	.105-.125	6.47	MS9287-34	3.375	2.190-2.250	15.56
MS9287-08	.938	.105-.125	6.69	MS9287-35	3.500	2.315-2.375	16.02
MS9287-09	1.000	.105-.125	6.92	MS9287-36	3.625	2.440-2.500	16.47
MS9287-10	1.062	.105-.125	7.15	MS9287-37	3.750	2.565-2.625	16.93
MS9287-11	1.125	.105-.125	7.37	MS9287-38	3.875	2.690-2.750	17.38
MS9287-12	1.188	.105-.125	7.60	MS9287-39	4.000	2.815-2.875	17.84
MS9287-13	1.250	.105-.125	7.83	MS9287-40	4.125	2.940-3.000	18.29
MS9287-14	1.312	.28-.168	8.06	MS9287-41	4.250	3.065-3.125	18.74
MS9287-15	1.375	.190-.250	8.28	MS9287-42	4.375	3.190-3.250	19.20
MS9287-16	1.438	.252-.312	8.51	MS9287-43	4.500	3.315-3.375	19.65
MS9287-17	1.500	.315-.375	8.74	MS9287-44	4.625	3.440-3.500	20.11
MS9287-18	1.562	.378-.438	8.97	MS9287-45	4.750	3.565-3.625	20.56
MS9287-19	1.625	.440-.500	9.19	MS9287-46	4.875	3.690-3.750	21.02
MS9287-20	1.688	.502-.562	9.42	MS9287-47	5.000	3.815-3.875	21.47
MS9287-21	1.750	.565-.625	9.65	MS9287-48	5.125	3.940-4.000	21.93
MS9287-22	1.875	.690-.750	10.10	MS9287-49	5.250	4.065-4.125	22.38
MS9287-23	2.000	.815-.875	10.56	MS9287-50	5.375	4.190-4.250	22.84
MS9287-24	2.125	.940-1.000	11.01	MS9287-51	5.500	4.315-4.375	23.29
MS9287-25	2.250	1.065-1.125	11.47	MS9287-52	5.625	4.440-4.500	23.75
MS9287-26	2.375	1.190-1.250	11.92	MS9287-53	5.750	4.565-4.625	24.20
MS9287-27	2.500	1.315-1.375	12.38	MS9287-54	5.875	4.690-4.750	24.66
MS9287-28	2.625	1.440-1.500	12.83	MS9287-55	6.000	4.815-4.875	25.11
MS9287-29	2.750	1.565-1.625	13.29				
MS9287-30	2.875	1.690-1.750	13.74				

**(A) INACTIVE FOR DESIGN AFTER 26 OCTOBER 1972.**  
**NO SUPERSEDING STANDARD.**

- HEAD TO SHANK FILLET SHALL BE COLD ROLLED AFTER HEAT TREATMENT TO REMOVE ALL VISUAL EVIDENCE OF GRINDING OR TOOL MARKS.
- SHANK SHALL BE STRAIGHT WITHIN .0025 PER INCH OF BOLT LENGTH.
- THE CONCENTRICITY OF THREAD PD IN RELATION TO THE SHANK SHALL BE WITHIN .006 FIR.
- THE CONCENTRICITY OF THE SHANK IN RELATION TO THE WASHER FACE DIAMETER AND HEXAGON SHALL BE WITHIN .019 FIR.
- INCOMPLETE THREADS NOT TO ENTER FILLET.
- MATERIAL: STEEL AMS 6322.
- HARDNESS: ROCKWELL C26-32.
- FINISH: BLACK OXIDE TREATMENT AMS 2485.
- MANUFACTURING SPECIFICATION: AMS 7492 EXCEPT HEAD MUST BE UPSET.
- MAGNETIC PARTICLE INSPECTION PER AMS 2640.
- SURFACE ROUGHNESS: AS 291. UNLESS OTHERWISE SPECIFIED SURFACES TO BE 125 MICROINCHES EXCEPT HEXAGON.
- BREAK SHARP EDGES .003-.015 UNLESS OTHERWISE SPECIFIED.
- DIMENSIONS IN INCHES. UNLESS OTHERWISE SPECIFIED, TOLERANCES: LINEAR DIMENSIONS ±.010, ANGULAR DIMENSIONS ±°.
- DO NOT USE UNASSIGNED PART NUMBERS.

AS 4 AMS ARE SOCIETY OF AUTOMOTIVE ENGINEERS, INC. PUBLICATIONS.  
 THIS STANDARD WAS DEVELOPED COOPERATIVELY WITH THE ENGINE AND PROPELLER UTILITY PARTS COMMITTEE OF THE SAE.

P.A. USAF - 11	TITLE	MILITARY STANDARD
Other Cost Navy - AS	BOLT, MACHINE-STEEL AMS 6322, BLACK OXIDE. HEXAGON HEAD, .4375-20 UNJF-3A	<b>MS9287</b>
PROCUREMENT SPECIFICATION NONE	SUPERSEDES:	SHEET 1 OF 1

DD FORM 672-1 (Limited circulation)

E-25-144

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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Review activities:  
 USAF - 11  
 NAVY - AS

This standard has been approved by the Department of the Air Force (11) and the Department of the Navy and is mandatory for use by that activity. All other military activities are required to employ this standard where applicable.

APPROVED 24 Sept 65  
 REVISION (A) 26 Oct 72