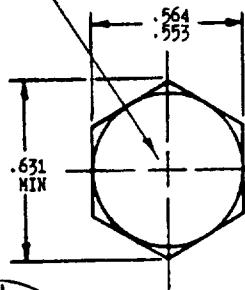
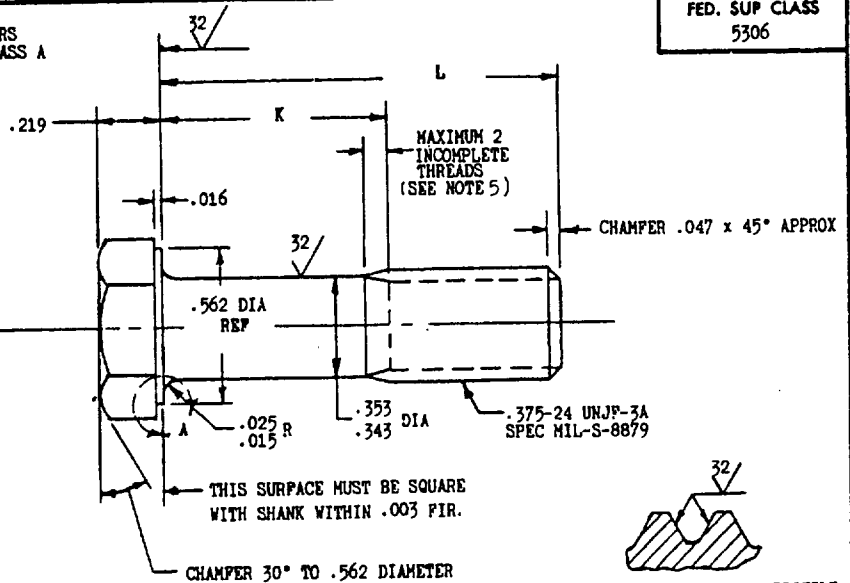


MS9286(ASG)MARK MS9286 AND MANUFACTURERS
IDENTIFICATION PER AS478 CLASS AVIEW A
ENLARGED.522 DIA MIN
BEARING SURFACE

SECTION THROUGH THREAD PROFILE

PART NUMBER	L	K	APPROX WEIGHT LB/100	PART NUMBER	L	K	APPROX WEIGHT LB/100
MS9286-04	.625	.088-.108	3.75	MS9286-31	2.875	1.815-1.875	9.41
MS9286-05	.688	.088-.108	3.52	MS9286-32	3.000	1.940-2.000	9.74
MS9286-06	.750	.088-.108	3.69	MS9286-33	3.125	2.065-2.125	10.08
MS9286-07	.812	.088-.108	3.86	MS9286-34	3.250	2.190-2.250	10.41
MS9286-08	.875	.088-.108	4.03	MS9286-35	3.375	2.315-2.375	10.75
MS9286-09	.938	.088-.108	4.20	MS9286-36	3.500	2.440-2.500	11.09
MS9286-10	1.000	.088-.108	4.37	MS9286-37	3.625	2.565-2.625	11.42
MS9286-11	1.062	.088-.108	4.53	MS9286-38	3.750	2.690-2.750	11.76
MS9286-12	1.125	.088-.125	4.70	MS9286-39	3.875	2.815-2.875	12.09
MS9286-13	1.188	.128-.188	4.87	MS9286-40	4.000	2.940-3.000	12.43
MS9286-14	1.250	.190-.250	5.04	MS9286-41	4.125	3.065-3.125	12.77
MS9286-15	1.312	.252-.312	5.21	MS9286-42	4.250	3.190-3.250	13.10
MS9286-16	1.375	.315-.375	5.37	MS9286-43	4.375	3.315-3.375	13.44
MS9286-17	1.438	.378-.438	5.54	MS9286-44	4.500	3.440-3.500	13.77
MS9286-18	1.500	.440-.500	5.71	MS9286-45	4.625	3.565-3.625	14.11
MS9286-19	1.562	.502-.562	5.88	MS9286-46	4.750	3.690-3.750	14.45
MS9286-20	1.625	.565-.625	6.05	MS9286-47	4.875	3.815-3.875	14.78
MS9286-21	1.688	.628-.688	6.21	MS9286-48	5.000	3.940-4.000	15.12
MS9286-22	1.750	.690-.750	6.38	MS9286-49	5.125	4.065-4.125	15.45
MS9286-23	1.875	.815-.875	6.72	MS9286-50	5.250	4.190-4.250	15.79
MS9286-24	2.000	.940-1.000	7.05	MS9286-51	5.375	4.315-4.375	16.13
MS9286-25	2.125	1.065-1.125	7.39	MS9286-52	5.500	4.440-4.500	16.46
MS9286-26	2.250	1.190-1.250	7.73	MS9286-53	5.625	4.565-4.625	16.80
MS9286-27	2.375	1.315-1.375	8.06	MS9286-54	5.750	4.690-4.750	17.13
MS9286-28	2.500	1.440-1.500	8.40	MS9286-55	5.875	4.815-4.875	17.47
MS9286-29	2.625	1.565-1.625	8.73	MS9286-56	6.000	4.940-5.000	17.81
MS9286-30	2.750	1.690-1.750	9.07				

- 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 .017 FIR.
- INCOMPLETE THREADS NOT TO ENTER FILLET.
- MATERIAL: STEEL AMS 6322.
- HARDNESS: ROCKWELL C26-32.
- FINISH: BLACK OXIDE TREATMENT AMS 2485.
- MANUFACTURING SPECIFICATION: AMS 7452 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 $\pm .010$, ANGULAR DIMENSIONS $\pm 5^\circ$.
- DO NOT USE UNASSIGNED PART NUMBERS.

AS & 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 Cust Navy - WP	BOLT, MACHINE-STEEL AMS 6322, BLACK OXIDE, HEXAGON HEAD, .375-24 UNJP-3A	MS9286 (ASG)
PROCUREMENT SPECIFICATION NONE	SUPERSEDES:	SHEET 1 OF 1

Review activities:
USAF - 11
Navy - WP

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 suitable.

APPROVED 24 Sep 65
REVISED