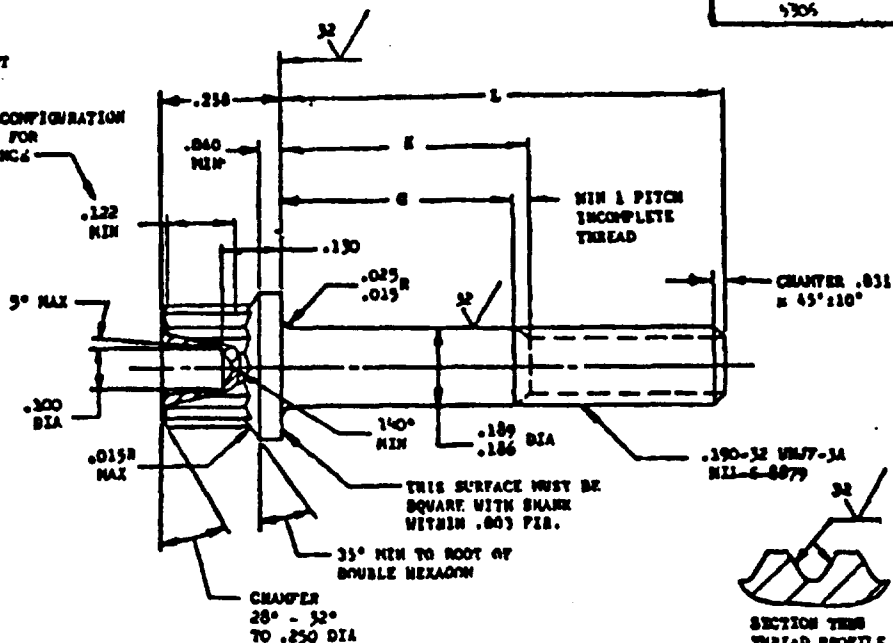
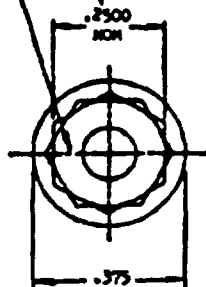


MS9932

MARK PART NUMBER
AND MANUFACTURER'S IDENT
PER AS 476 CLASS A

WRENCHING CONFIGURATION
PER AS 870 FOR
THIS DISTANCE



SECTION THRU
THREAD PROFILE

User activities:
Navy - MU, 06

Review activities:
Air Force - 02
Navy - AS

PART NO.	L	G MIN	R MAX	APPROX WEIGHT LB/100
MS9932-11	.812	.060	.182	.99
MS9932-12	.875	.123	.243	1.04
MS9932-13	.938	.186	.308	1.09
MS9932-14	1.000	.248	.370	1.14
MS9932-15	1.062	.310	.432	1.19
MS9932-16	1.125	.373	.495	1.23
MS9932-17	1.188	.436	.558	1.28
MS9932-18	1.250	.498	.620	1.33
MS9932-19	1.312	.560	.682	1.38
MS9932-20	1.375	.623	.745	1.43
MS9932-21	1.438	.686	.808	1.48
MS9932-22	1.500	.748	.870	1.53
MS9932-23	1.562	.810	.932	1.58

PART NO.	L	G MIN	R MAX	APPROX WEIGHT LB/100
MS9932-24	1.625	.873	.995	1.62
MS9932-25	1.688	.936	1.058	1.67
MS9932-26	1.750	.998	1.120	1.72
MS9932-27	1.812	1.060	1.182	1.77
MS9932-28	1.875	1.123	1.245	1.82
MS9932-29	1.938	1.186	1.308	1.87
MS9932-30	2.000	1.248	1.370	1.92
MS9932-31	2.125	1.373	1.495	2.02
MS9932-32	2.250	1.498	1.620	2.11
MS9932-33	2.375	1.623	1.745	2.21
MS9932-34	2.500	1.748	1.870	2.31
MS9932-35	2.625	1.873	1.995	2.40
MS9932-36	2.750	1.998	2.120	2.50
MS9932-37	2.875	2.123	2.245	2.60
MS9932-38	3.000	2.248	2.370	2.69

PART NO.	L	G MIN	R MAX	APPROX WEIGHT LB/100
MS9932-39	3.125	2.373	2.495	2.79
MS9932-40	3.250	2.498	2.620	2.89
MS9932-41	3.375	2.623	2.745	2.99
MS9932-42	3.500	2.748	2.870	3.09
MS9932-43	3.625	2.873	2.995	3.18
MS9932-44	3.750	2.998	3.120	3.28
MS9932-45	3.875	3.123	3.245	3.38

1. SHANK SHALL BE STRAIGHT WITHIN .003 TOTAL PER INCH OF BOLT LENGTH.
2. THE CONCENTRICITY OF THREAD PD IN RELATION TO THE SHANK SHALL BE WITHIN .006 FIR.
3. THE CONCENTRICITY OF THE SHANK IN RELATION TO THE WASHER FACE DIAMETER AND DOUBLE HEXAGON OD SHALL BE WITHIN .006 FIR.
4. MATERIAL: STEEL AMS 6322.
5. HARDNESS: ROCKWELL C26-32.
6. FINISH: CADMIUM PLATE AMS 2400. DIMENSIONS SPECIFIED ARE AFTER PLATING.
7. MANUFACTURING SPECIFICATION: AMS 7452 EXCEPT HEAD SHALL BE UPSET.
8. HEAD TO SHANK FILLET SHALL BE COLD WORKED.
9. MAGNETIC PARTICLE INSPECTION PER AMS 2640 AFTER PLATING.
10. SURFACE TEXTURE: USAS 846.1-1962. UNLESS OTHERWISE SPECIFIED, SURFACES TO BE 125 MICROINCHES EXCEPT UPSET HEAD.
11. BREAK SHARP EDGES .003-.015 UNLESS OTHERWISE SPECIFIED.
12. DIMENSIONS IN INCHES. UNLESS OTHERWISE SPECIFIED, TOLERANCES: LINEAR DIMENSIONS ±.010, ANGULAR DIMENSIONS ±5°.
13. DO NOT USE UNCLASSIFIED PART NUMBERS.

AS & AMS ARE SOCIETY OF AUTOMOTIVE ENGINEERS, INC. PUBLICATIONS.

THIS STANDARD WAS DEVELOPED COOPERATIVELY WITH THE MILITARY SERVICES BY THE SAE/AE/AF/AS PART STANDARDS DIVISION.

P.A. AIR FORCE - 11 Other Com NAVY - AS	TITLE BOLT, MACHINE - DOUBLE HEXAGON EXTENDED WASHER HEAD, FULL SHANK, STEEL AMS 6322, CADMIUM PLATED, .190-32 UNF7-3A	MILITARY STANDARD MS9932
PROCUREMENT SPECIFICATION AMS-7452	SUPERSEDES:	SHEET 1 OF 1

DD FORM 672-1 (Limited edition)
AND use only

APPROVED 30 Dec TO REVISED

This military standard is approved by the Department of the Air Force and the Bureau of Naval Weapons and is mandatory for use by those activities. All other military activities are required to employ this standard where suitable.