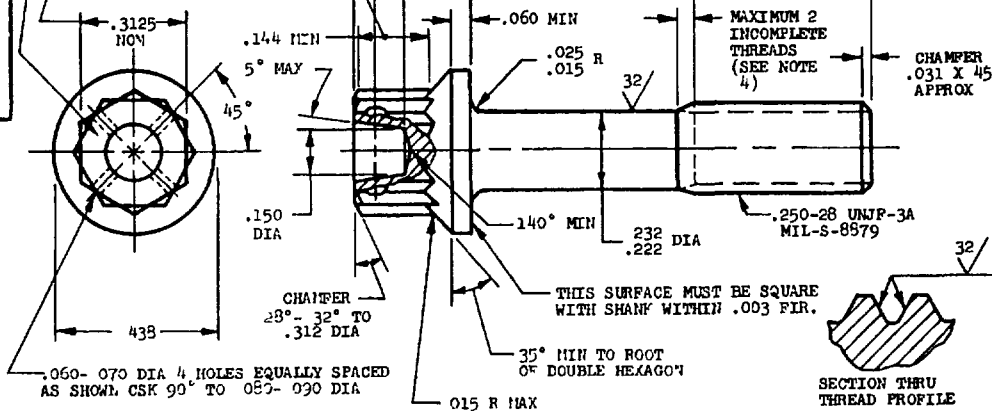


**MS9742 (ASG)**

MARK PART NO. AND MANUFACTURER'S IDENTIFICATION PER AS 478 CLASS A

FED SUP CLASS  
5306WRECHING CONFIGURATION  
PER AS 870 FOR  
THIS DISTANCESECTION THRU  
THREAD PROFILE

PART NO	L	K	APPROX WEIGHT LB/100	PART NO	L	K	APPROX WEIGHT LB/100	PART NO	L	K	APPROX WEIGHT LB/100
MS9742-04	375	079-.099	1.25	MS9742-25	1 688	878-. 938	2.74	MS9742-46	4 125	3 315-3 375	5.50
MS9742-05	438	079-.099	1.32	MS9742-26	1 750	940-1 000	2.81	MS9742-47	4 250	3 440-3 500	5.64
MS9742-06	500	079-.099	1.39	MS9742-27	1 812	1 002-1 062	2.88	MS9742-48	4 375	3 565-3 625	5.78
MS9742-07	562	079-.099	1.47	MS9742-28	1 875	1 065-1 125	2.95	MS9742-49	4 500	3 690-3 750	5.93
MS9742-08	625	079-.099	1.54	MS9742-29	2 000	1 190-1 250	3.09	MS9742-50	4 625	3 815-3 875	6.07
MS9742-09	688	079-.099	1.61	MS9742-30	2 125	1 315-1 375	3.21	MS9742-51	4 750	3 940-4 000	6.21
MS9742-10	750	079-.099	1.68	MS9742-31	2 250	1 440-1 500	3.38	MS9742-52	4 875	4 065-4 125	6.35
MS9742-11	812	079-.099	1.75	MS9742-32	2 375	1 565-1 625	3.52	MS9742-53	5 000	4 190-4 250	6.49
MS9742-12	875	079-.125	1.82	MS9742-33	2 500	1 690-1 750	3.66	MS9742-54	5 125	4 315-4 375	6.63
MS9742-13	938	128-.185	1.89	MS9742-34	2 625	1 815-1 875	3.80	MS9742-55	5 250	4 440-4 500	6.78
MS9742-14	1 000	190-.250	1.96	MS9742-35	2 750	1 940-2 000	3.94	MS9742-56	5 375	4 565-4 625	6.92
MS9742-15	1 062	.252-.312	2.03	MS9742-36	2 875	2 065-2 125	4.08	MS9742-57	5 500	4 690-4 750	7.06
MS9742-16	1 125	315-.375	2.10	MS9742-37	3 000	2 190-2 250	4.23	MS9742-58	5 625	4 815-4 875	7.20
MS9742-17	1 188	378-.438	2.17	MS9742-38	3 125	2 315-2 375	4.37	MS9742-59	5 750	4 940-5 000	7.34
MS9742-18	1 250	440-.500	2.24	MS9742-39	3 250	2 440-2 500	4.51	MS9742-60	5 875	5 065-5 125	7.48
MS9742-19	1 312	.502-.562	2.31	MS9742-40	3 375	2 565-2 625	4.65	MS9742-61	6 000	5 190-5 250	7.62
MS9742-20	1 375	.565-.625	2.37	MS9742-41	3 500	2 690-2 750	4.79				
MS9742-21	1 438	.628-.688	2.46	MS9742-42	3 625	2 815-2 875	4.93				
MS9742-22	1 500	.690-.750	2.53	MS9742-43	3 750	2 940-3 000	5.08				
MS9742-23	1 562	.752-.812	2.60	MS9742-44	3 875	3 065-3 125	5.22				
MS9742-24	1 625	.815-.875	2.67	MS9742-45	4 000	3 190-3 250	5.36				

- SHANK SHALL BE STRAIGHT WITHIN .003 PER INCH OF BOLT LENGTH.
- THE RUNOUT OF THREAD PD IN RELATION TO THE SHANK SHALL BE WITHIN .006 FIR
- THE RUNOUT OF THE SHANK IN RELATION TO THE WASHER FACE DIAMETER AND DOUBLE HEXAGON OD SHALL BE WITHIN .007 FIR.
- INCOMPLETE THREADS NOT TO ENTER FILLET.
- MATERIAL CRES AMS 5643
- HARDNESS: ROCKWELL C32-38.
- MANUFACTURING SPECIFICATION AMS 7474.
- FLUORESCENT PENETRANT INSPECTION PER AMS 2645.
- SURFACE TEXTURE USAS B46.1-1962, UNLESS OTHERWISE SPECIFIED, SURFACES TO BE 125 MICROINCHES EXCEPT UPSET HEAD.
- BREAK SHARP EDGES .003-.015 UNLESS OTHERWISE SPECIFIED.
- DIMENSIONS IN INCHES, UNLESS OTHERWISE SPECIFIED, TOLERANCES: LINEAR DIMENSIONS ±.010, ANGULAR DIMENSIONS ±5°.
- DO NOT USE UNASSIGNED PART NUMBERS.

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

THIS STANDARD WAS DEVELOPED COOPERATIVELY WITH THE MILITARY SERVICES BY THE SAE AEROSPACE PART STANDARDS DIV.

P.A. USAF - 11	TITLE	MILITARY STANDARD
Other Cast Navy - AS	BOLT, MACHINE - DOUBLE HEXAGON EXTENDED WASHER HEAD, DRILLED, PD SHANK, CRES AMS 5643, .250-28 UNJF-3A	<b>MS9742 (ASG)</b>
PROCUREMENT SPECIFICATION	SUPERSEDES	SHEET 1 OF 1

DD FORM 672-1 (Limited coordination)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

U.S. GOVERNMENT PRINTING OFFICE: 1968-341 518/A 3253

Review activities  
USAF - 82, 85

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

REVISED  
3 Apr 69  
APPROVED