

**MS9929 (ASG)**

**FED. SUP CLASS 5306**

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

**WRENCHING CONFIGURATION PER AS 870 FOR THIS DISTANCE**

**MAXIMUM 2 INCOMPLETE THREADS (SEE NOTE 4)**

**CHAMFER .062 x 45° APPROX**

**.5625-18 UNJF-3A MIL-S-8879**

**THIS SURFACE MUST BE SQUARE WITH SHANK WITHIN .003 FIR.**

**35° MIN TO ROOT OF DOUBLE HEXAGON**

**SECTION 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
MS9929-04	.875	.113-.133	10.97	MS9929-22	2.000	.565-.625	17.87	MS9929-40	4.250	2.815-2.875	31.68
MS9929-05	.938	.113-.133	11.35	MS9929-23	2.125	.690-.750	18.63	MS9929-41	4.375	2.940-3.000	32.45
MS9929-06	1.000	.113-.133	11.75	MS9929-24	2.250	.815-.875	19.40	MS9929-42	4.500	3.065-3.125	33.22
MS9929-07	1.062	.113-.133	12.11	MS9929-25	2.375	.940-1.000	20.17	MS9929-43	4.625	3.190-3.250	33.97
MS9929-08	1.125	.113-.133	12.49	MS9929-26	2.500	1.065-1.125	20.94	MS9929-44	4.750	3.315-3.375	34.74
MS9929-09	1.188	.113-.133	12.87	MS9929-27	2.625	1.190-1.250	21.69	MS9929-45	4.875	3.440-3.500	35.51
MS9929-10	1.250	.113-.133	13.25	MS9929-28	2.750	1.315-1.375	22.46	MS9929-46	5.000	3.565-3.625	36.29
MS9929-11	1.312	.113-.133	13.64	MS9929-29	2.875	1.440-1.500	23.23	MS9929-47	5.125	3.690-3.750	37.05
MS9929-12	1.375	.113-.133	14.02	MS9929-30	3.000	1.565-1.625	24.01	MS9929-48	5.250	3.815-3.875	37.82
MS9929-13	1.438	.113-.133	14.40	MS9929-31	3.125	1.690-1.750	24.77	MS9929-49	5.375	3.940-4.000	38.59
MS9929-14	1.500	.113-.133	14.79	MS9929-32	3.250	1.815-1.875	25.54	MS9929-50	5.500	4.065-4.125	39.36
MS9929-15	1.562	.128-.188	15.18	MS9929-33	3.375	1.940-2.000	26.31	MS9929-51	5.625	4.190-4.250	40.11
MS9929-16	1.625	.190-.250	15.56	MS9929-34	3.500	2.065-2.125	27.08	MS9929-52	5.750	4.315-4.375	40.88
MS9929-17	1.688	.252-.312	15.94	MS9929-35	3.625	2.190-2.250	27.83	MS9929-53	5.875	4.440-4.500	41.65
MS9929-18	1.750	.315-.375	16.32	MS9929-36	3.750	2.315-2.375	28.60	MS9929-54	6.000	4.565-4.625	42.43
MS9929-19	1.812	.378-.438	16.71	MS9929-37	3.875	2.440-2.500	29.37				
MS9929-20	1.875	.440-.500	17.09	MS9929-38	4.000	2.565-2.625	30.15				
MS9929-21	1.938	.502-.562	17.48	MS9929-39	4.125	2.690-2.750	30.91				

- SHANK SHALL BE STRAIGHT WITHIN .002 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 DOUBLE HEXAGON OD SHALL BE WITHIN .013 FIR.
- INCOMPLETE THREADS NOT TO ENTER FILLET.
- MATERIAL: STEEL AMS 6322.
- HARDNESS: ROCKWELL C26-32.
- FINISH: CADMIUM PLATE AMS 2400. DIMENSIONS SPECIFIED ARE AFTER PLATING.
- MANUFACTURING SPECIFICATION: AMS 7452 EXCEPT HEAD SHALL BE UPSET.
- HEAT TO SHANK FILLET SHALL BE COLD WORKED.
- MAGNETIC PARTICLE INSPECTION PER AMS 2640 AFTER PLATING.
- 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  $\pm .010$ , 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 MILITARY SERVICES BY THE SAE AEROSPACE PART STANDARDS DIVISION.

P.A. USAF - 11	TITLE	<b>MILITARY STANDARD</b> <b>MS9929 (ASG)</b>
Other Cost Navy - AS	BOLT, MACHINE - DOUBLE HEXAGON EXTENDED WASHER HEAD, DRILLED, PD SHANK, STEEL AMS 6322. CADMIUM PLATED. .5625-18 UNJF-3A	
PROCUREMENT SPECIFICATION NONE	SUPERSEDES:	SHEET 1 OF 1

Review activities: USAF - 82, 85

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

DD FORM 672-1 (Limited coordination)  
ASD use only

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

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