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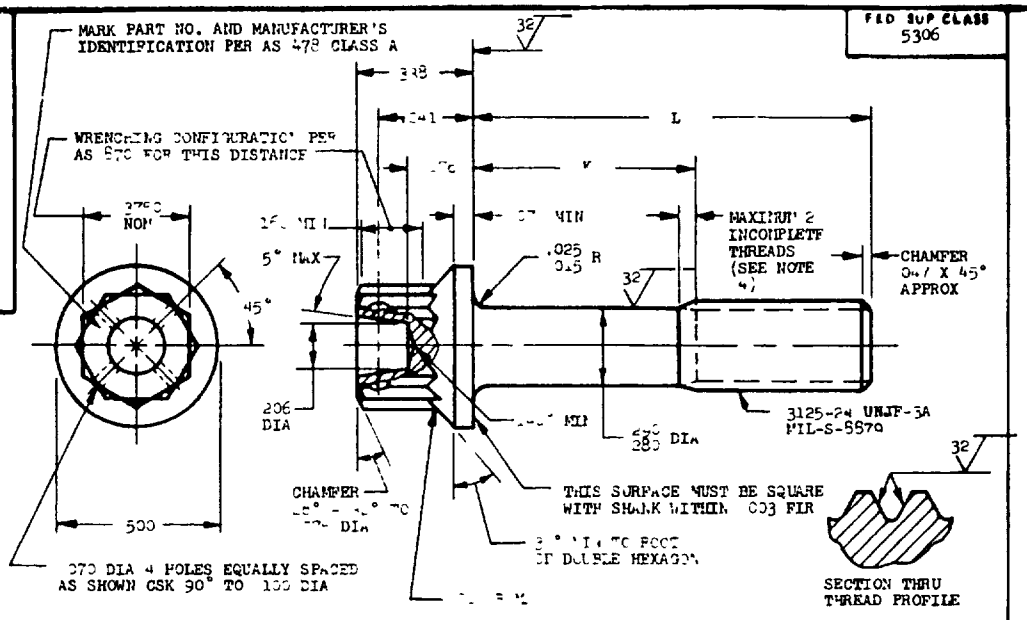
MS9761 (ASG)

FED SUP CLASS 5306



PART NO.	L	W	APPROX WEIGHT LB/100
MS9761-04	.500	.088-.108	1.21
MS9761-05	.562	.088-.108	1.28
MS9761-06	.625	.088-.108	1.34
MS9761-07	.688	.088-.108	1.40
MS9761-08	.750	.088-.108	1.47
MS9761-09	.812	.088-.108	1.53
MS9761-10	.875	.088-.108	1.59
MS9761-11	.938	.088-.108	1.65
MS9761-12	1.000	.088-.108	1.72
MS9761-13	1.062	.128-.188	1.78
MS9761-14	1.125	.190-.250	1.84
MS9761-15	1.188	.252-.312	1.91
MS9761-16	1.250	.315-.375	1.97
MS9761-17	1.312	.375-.438	2.03
MS9761-18	1.375	.440-.500	2.10
MS9761-19	1.438	.502-.562	2.16
MS9761-20	1.500	.565-.625	2.22
MS9761-21	1.562	.628-.688	2.29
MS9761-22	1.625	.690-.750	2.35
MS9761-23	1.688	.752-.812	2.41
MS9761-24	1.750	.815-.875	2.48
MS9761-25	1.812	.878-.938	2.54
MS9761-26	1.875	.940-1.000	2.60
MS9761-27	1.938	1.003-1.063	2.73
MS9761-28	2.000	1.065-1.125	2.86
MS9761-29	2.062	1.128-1.188	2.98
MS9761-30	2.125	1.190-1.250	3.11
MS9761-31	2.188	1.253-1.313	3.23
MS9761-32	2.250	1.315-1.375	3.36
MS9761-33	2.312	1.378-1.438	3.49
MS9761-34	2.375	1.440-1.500	3.61
MS9761-35	2.438	1.503-1.563	3.74
MS9761-36	2.500	1.565-1.625	3.86
MS9761-37	2.562	1.628-1.688	3.99
MS9761-38	2.625	1.690-1.750	4.12
MS9761-39	2.688	1.753-1.813	4.24
MS9761-40	2.750	1.815-1.875	4.37
MS9761-41	2.812	1.878-1.938	4.50
MS9761-42	2.875	1.940-2.000	4.63
MS9761-43	2.938	2.003-2.063	4.75
MS9761-44	3.000	2.065-2.125	4.88
MS9761-45	3.062	2.128-2.188	5.00
MS9761-46	3.125	2.190-2.250	5.13
MS9761-47	3.188	2.253-2.313	5.26
MS9761-48	3.250	2.315-2.375	5.38
MS9761-49	3.312	2.378-2.438	5.51
MS9761-50	3.375	2.440-2.500	5.64
MS9761-51	3.438	2.503-2.563	5.76
MS9761-52	3.500	2.565-2.625	5.89
MS9761-53	3.562	2.628-2.688	6.02
MS9761-54	3.625	2.690-2.750	6.14
MS9761-55	3.688	2.753-2.813	6.27
MS9761-56	3.750	2.815-2.875	6.39
MS9761-57	3.812	2.878-2.938	6.52
MS9761-58	3.875	2.940-3.000	6.64
MS9761-59	3.938	3.003-3.063	6.77
MS9761-60	4.000	3.065-3.125	6.89
MS9761-61	4.062	3.128-3.188	7.02
MS9761-62	4.125	3.190-3.250	7.15
MS9761-63	4.188	3.253-3.313	7.27
MS9761-64	4.250	3.315-3.375	7.40
MS9761-65	4.312	3.378-3.438	7.53
MS9761-66	4.375	3.440-3.500	7.65
MS9761-67	4.438	3.503-3.563	7.78
MS9761-68	4.500	3.565-3.625	7.90
MS9761-69	4.562	3.628-3.688	8.03
MS9761-70	4.625	3.690-3.750	8.16
MS9761-71	4.688	3.753-3.813	8.28
MS9761-72	4.750	3.815-3.875	8.41
MS9761-73	4.812	3.878-3.938	8.54
MS9761-74	4.875	3.940-4.000	8.66
MS9761-75	4.938	4.003-4.063	8.79
MS9761-76	5.000	4.065-4.125	8.91

1. SHANK SHALL BE STRAIGHT WITHIN .003 PER INCH OF BOLT LENGTH
2. THE RUNOUT OF THREAD PD IN RELATION TO THE SHANK SHALL BE WITHIN .006 FIR
3. THE RUNOUT OF THE SHANK IN RELATION TO THE WASHER FACE DIAMETER AND DOUBLE HEXAGON OD SHALL BE WITHIN .008 FIR.
4. INCOMPLETE THREADS NOT TO ENTER FILLET
5. MATERIAL: TITANIUM AMS 4967
6. HARDNESS ROCKWELL C36-42.
7. MANUFACTURING SPECIFICATION AMS 7461, EXCEPT MATERIAL AS NOTED
8. FLUORESCENT PENETRANT INSPECTION PER AMS 2645
9. SURFACE TEXTURE USAS B46 1-1962 UNLESS OTHERWISE SPECIFIED, SURFACES TO BE 125 MICROINCHES EXCEPT UPSET HEAD
10. BREAK SHARP EDGES .003-.015 UNLESS OTHERWISE SPECIFIED
11. DIMENSIONS IN INCHES UNLESS OTHERWISE SPECIFIED, TOLERANCES LINEAR DIMENSIONS ± .010, ANGULAR DIMENSIONS ±5°
12. DO NOT USE UNASSIGNED PART NUMBERS

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

APPROVED 3 MAR 59 REVISED

P.A. USAF - 11	TITLE	MILITARY STANDARD
Other Cust Navy - AS	BOLT, MACHINE - DOUBLE HEXAGON EXTENDED WASHER HEAD, DRILLED, PD SHANK, TITANIUM AMS 4967, 3125-24 UNJF-3A	MS9761 (ASG)
PROCUREMENT SPECIFICATION	SUPERSEDES	SHEET 1 OF 1

DD FORM 1 OCT 67 672-1 (Limited coordination) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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.

Review activities. USAF-82, 85