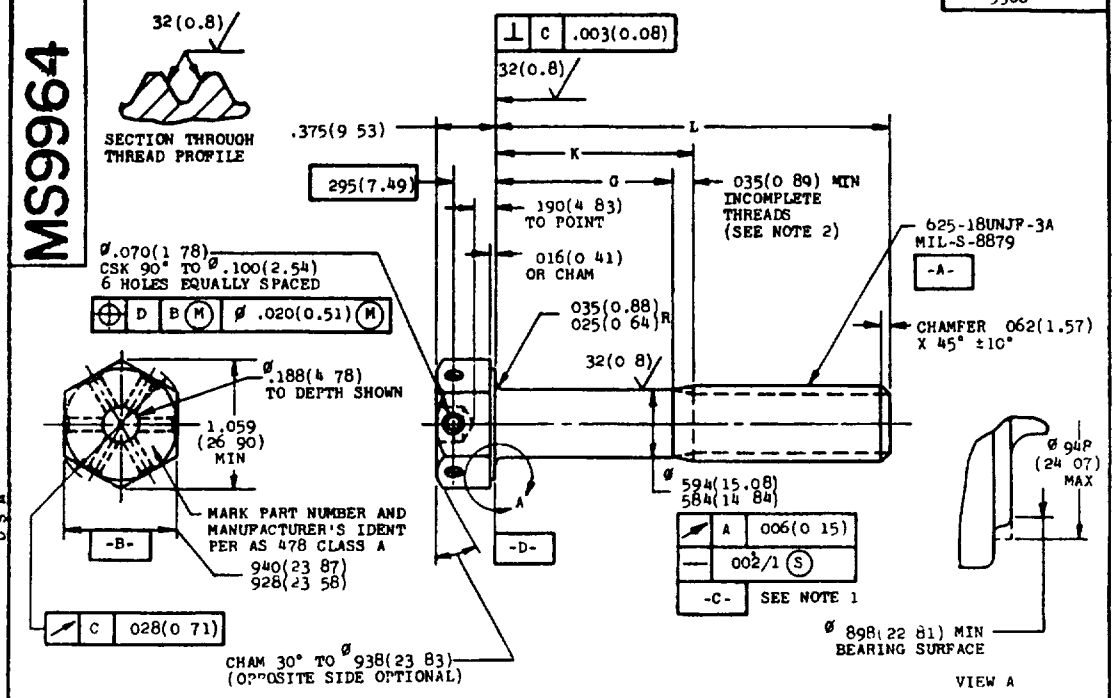
MS9964

FED SUP CLASS
5306



1 FOR PART NUMBERS MS9964-03 THRU MS9964-24 THE THREAD PD SHALL REPLACE DATUM C
2 INCOMPLETE THREADS NOT TO ENTER FILLET
3 MATERIAL STEEL AMS 6322
4 HARDNESS ROCKWELL C26-32
5 FINISH CADMIUM PLATE AMS 2400 DIMENSIONS SPECIFIED ARE AFTER PLATING
6 MANUFACTURING SPECIFICATION AMS 7452 EXCEPT HEAD SHALL BE UPSET
7 HEAD TO SHANK FILLET SHALL BE COLD WORKED
8 MAGNETIC PARTICLE INSPECTION PER AMS 2640 AFTER PLATING
9 SURFACE TEXTURE ANSI B46 1-1962 UNLESS OTHERWISE SPECIFIED, SURFACES TO BE 125 MICROINCHES (3 2 MICROMETERS) EXCEPT UPSET HEAD
10 BREAK SHARP EDGES 003- 015 (0 08-0 38) UNLESS OTHERWISE SPECIFIED
11 DIMENSIONS IN INCHES METRIC CONVERSIONS ARE IN PARENTHESES UNLESS OTHERWISE SPECIFIED TOLERANCES, LINEAR DIMENSIONS ± 010 (0 25), ANGULAR DIMENSIONS ±5° INTERNATIONAL SYSTEM UNITS (SI) SHOWN ARE FOR REFERENCE ONLY
12 DIMENSIONING AND TOLERANCING ANSI Y14 5-1966, Ø = DIAMETER
13 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 DIVISION

APPROVED 27 Jun 74 REVISED

P A. Air Force – 11 Other Cust Army – AV Navy – AS	TITLE BOLT MACHINE, HEXAGON HFAD, DRILLED, 6 HOLE, PD SHANK, STEEL AMS 6322, CADMIUM PLATFD, 625-18UNJF-3A	MILITARY STANDARD MS9964
PROCUREMENT SPECIFICATION	SUPERSEDES	SHEET 1 OF 2

DD FORM 672-1
ASC use only

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

5306-0499

User activities
Army
Navy
Air Force
DSA

Review activities
Army
Navy
Air Force
DSA

This military standard is approved for use by all Departments and Agencies of the Department of Defense Selection for all new engineering and design applications and for repetitive use shall be made from this document

MS9964

PART NUMBER	L		G MIN		K MAX		APPROX MASS		PART NUMBER	L		G MIN		K MAX		APPROX MASS	
	IN.	(mm)	IN	(mm)	IN.	(mm)	LB/100	kg/100		IN.	(mm)	IN.	(mm)	IN.	(mm)	LB/100	kg/100
MS9964-03	.938	23 82	035	0 89	.138	3 50	14.64	6.650	MS9964-31	3.375	85 72	1.704	43.29	1.875	47.62	33.48	15.186
MS9964-04	1 000	25 40	035	0 89	.138	3.50	15.33	6 954	MS9964-32	3.500	88 90	1.829	46.46	2.000	50.80	34.43	15.617
MS9964-05	1.062	26 97	.035	0 89	.138	3.50	15.80	7 167	MS9964-33	3.625	92.08	1.954	49.64	2.125	53.97	35.39	16.053
									MS9964-34	3.750	95.25	2 079	52.81	2.250	57.15	36.35	16.488
MS9964-06	1.125	28.58	.035	0 89	.138	3.50	16 27	7 380	MS9964-35	3.875	98 42	2.204	55 99	2.375	60.32	37.30	16 919
MS9964-07	1.188	30 18	035	0 89	.138	3 50	16.74	7.593	MS9964-36	4.000	101.60	2.329	59.16	2.500	63 50	38.26	17 354
MS9964-08	1.250	31 75	035	0 89	.138	3.50	17.21	7 806	MS9964-37	4 125	104 78	2 454	62 34	2.625	66.67	39.22	17.790
MS9964-09	1.312	33 32	035	0.89	.138	3 50	17 68	8 020	MS9964-38	4.250	107 95	2.579	65.51	2.750	69.85	40.18	18.225
MS9964-10	1 375	34 92	.035	0.89	138	3 50	18.1(	8 237	MS9964-39	4 375	111.12	2 704	68.69	2.875	73.02	41.13	18.656
									MS9964-40	4 500	114.30	2.829	71.86	3 000	76.20	42.09	19 092
MS9964-11	1 438	36 52	.035	0.89	.138	3.50	18.64	8 455	MS9964-41	4 625	117 48	2.954	75.04	3 125	79.37	43.05	19.527
MS9964-12	1.500	38 10	035	0.89	138	3 50	19.1(	8.673	MS9964-42	4.750	120.65	3.079	78.21	3.250	82.55	44.00	19 958
MS9964-13	1.562	39 68	.035	0.89	.138	3.50	19.60	8.890	MS9964-43	4 875	123 82	3.204	81.39	3.375	86.72	44.96	20.393
MS9964-14	1 625	41 28	035	0 89	138	3 50	20.0(	9.108	MS9964-44	5 000	127 00	3 329	84 56	3.500	88.90	45 92	20.829
MS9964-15	1.688	42 89	035	0 89	188	4 77	20.5(	9 326	MS9964-45	5 125	130 18	3.454	87.74	3.625	92.07	46.87	21.260
MS9964-16	1.750	44 45	.079	2 01	250	6.35	21 03	9 539	MS9964-46	5 250	133.35	3.579	90 91	3 750	95.25	47.83	21.695
MS9964-17	1 812	46.02	141	3 59	312	7 92	21 51	9.757	MS9964-47	5 375	136.52	3.704	94.09	3.875	98 42	48.79	22.131
MS9964-18	1.875	47 62	.204	5 19	375	9 52	21 99	9.974	MS9964-48	5 500	139.70	3 829	97.26	4.000	101.60	49.75	22.566
MS9964-19	1 938	49 22	267	6.79	438	11.12	22.47	10.192	MS9964-49	5 625	142.88	3.954	100.44	4.125	104.77	50.70	22.997
MS9964-20	2.000	50 80	329	8 36	500	12 70	22.95	10 410	MS9964-50	5 750	146 05	4.079	103.61	4.250	107.95	51.66	23.432
MS9964-21	2 125	53 98	.454	11.54	.625	15 88	23 91	10 845	MS9964-51	5.875	149.22	4.204	106.79	4.375	111.12	52.62	23.868
MS9964-22	2.250	57 15	.579	14.71	.750	19 05	24.8(	11.276	MS9964-52	6 000	152 40	4.329	109.96	4.500	114.30	53.57	24.299
MS9964-23	2.375	60 32	704	17.89	875	22.22	25.82	11 712									
MS9964-24	2.500	63 50	829	21.06	1.000	25 40	26 76	12 147									
MS9964-25	2 625	66 68	954	24 24	1 125	28 57	27.73	12 578									
MS9964-26	2.750	69 85	1 079	27 41	1 250	31.75	28.69	13 013									
MS9964-27	2.875	73 02	1 204	30 59	1 375	34.92	29.65	13 449									
MS9964-28	3.000	76.20	1.329	33.76	1 500	38 10	30.60	13 880									
MS9964-29	3.125	79.38	1 454	36 94	1 625	41.27	31.56	14 315									
MS9964-30	3 250	82 55	1 579	40 11	1 750	44 45	31.52	14.297									

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Review activities: Army, Navy, Air Force, DSA

User activities: Army, Navy, Air Force, DSA

PA Air Force - 11

Other Cust
Army - AV
Navy - AS

TITLE

BOLT, MACHINE, HEXAGON HEAD, DRILLED, 6 HOLE, PD SHANK, STEEL AMS 6322, CADMIUM PLATED, 625-18UNJF-3A

MILITARY STANDARD

MS9964

PROCUREMENT SPECIFICATION

SUPERSEDES

SHEET 2 OF 2

DD FORM 672-1

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