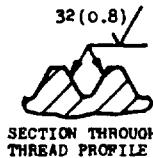
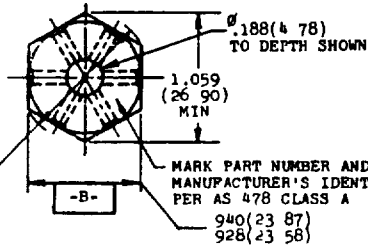


MS9964FED SUP CLASS
5306

Ø.070(1.78)
CSK 90° TO Ø.100(2.54)
6 HOLES EQUALLY SPACED

Ø D B (M) Ø .020(0.51) (M)



Ø C 028(0.71)

CHAM 30° TO Ø 938(23.83)
(OPPOSITE SIDE OPTIONAL)

Ø C .003(0.08)

32(0.8)

.375(9.53)

295(7.49)

Ø K L

Ø 190(4.83)
TO POINT

Ø 016(0.41)
OR CHAM

Ø 035(0.88)
Ø 025(0.64) R

32(0.8)

Ø 035(0.89) MIN
INCOMPLETE
THREADS
(SEE NOTE 2)

625-18UNJF-3A
MIL-S-8879

-A-

CHAMFER Ø 62(1.57)
X 45° ± 10°

Ø 594(15.08)
Ø 584(14.84)

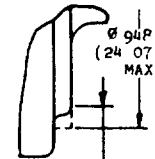
Ø A 006(0.15)

Ø 002/1 (S)

-C- SEE NOTE 1

Ø 898(22.81) MIN
BEARING SURFACE

VIEW A



- 1 FOR PART NUMBERS MS9964-03 THRU MS9964-24 THE THREAD PD SHALL REPLACE DATUM C
- 2 INCOMPLETE THREADS NOT TO ENTER PILLET
- 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 SHAFT PILLET SHALL BE COLD WORKED
- 8 MAGNETIC PARTICLE INSPECTION PER AMS 2640 AFTER PLATING
- 9 SURFACE TEXTURE AMSI B46 1-1962 UNLESS OTHERWISE SPECIFIED, SURFACES TO BE
- 10 125 MICROINCHES (3.2 MICROMETERS) EXCEPT UPSET HEAD
- 11 BREAK SHARP EDGES 003-015 (0.08-0.38) UNLESS OTHERWISE SPECIFIED
- 12 DIMENSIONS IN INCHES METRIC CONVERSIONS ARE IN PARENTHESES UNLESS OTHERWISE
- 13 SPECIFIED TOLERANCES LINEAR DIMENSIONS ± 0.10 (0.25), ANGULAR DIMENSIONS ± 5° INTERNATIONAL
- 14 SYSTEM UNITS (SI) SHOWN ARE FOR REFERENCE ONLY
- 15 DIMENSIONING AND TOLERANCING ANSI Y14.5-1966, Ø = DIAMETER
- 16 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

P A. Air Force - II Other Cast 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 1 OF 2

DD FORM 672-1
ASG use only

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

5306-0499

APPROVED 27 JUN 74 REVISED

User activities:
Army
Navy
Air Force
D S A

Review activities:
Army
Navy
Air Force
D S A

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

Review activities:
Army
Navy
Air Force
D 5 A

User activities:
Army
Navy
Air Force
D 5 A

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P A. Air Force - II Other Cost 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
180 use only

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

5306-0499

U S GOVERNMENT PRINTING OFFICE 1974-603-109/1182

PART NUMBER	L		G MIN		K MAX		APPROX MASS		PART NUMBER	L		O 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	1.889	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
MS9964-06	1.125	28.58	.035	0.89	.138	3.50	16.27	7.380	MS9964-34	3.750	95.25	2.079	52.81	2.250	57.15	36.35	16.488
MS9964-07	1.188	30.18	.035	0.89	.138	3.50	16.74	7.593	MS9964-35	3.875	98.42	2.204	55.99	2.375	60.32	37.30	16.919
MS9964-08	1.250	31.75	.035	0.89	.138	3.50	17.21	7.806	MS9964-36	4.000	101.60	2.329	59.16	2.500	63.50	38.26	17.354
MS9964-09	1.312	33.32	.035	0.89	.138	3.50	17.68	8.020	MS9964-37	4.125	104.78	2.454	62.34	2.625	66.67	39.22	17.790
MS9964-10	1.375	34.92	.035	0.89	.138	3.50	18.14	8.233	MS9964-38	4.250	107.95	2.579	65.51	2.750	69.85	40.18	18.225
MS9964-11	1.438	36.52	.035	0.89	.138	3.50	18.64	8.445	MS9964-39	4.375	111.12	2.704	68.69	2.875	73.02	41.13	18.656
MS9964-12	1.500	38.10	.035	0.89	.138	3.50	19.12	8.658	MS9964-40	4.500	114.30	2.829	71.86	3.000	76.20	42.09	19.092
MS9964-13	1.562	39.68	.035	0.89	.138	3.50	19.60	8.871	MS9964-41	4.625	117.48	2.954	75.04	3.125	79.37	43.05	19.527
MS9964-14	1.625	41.28	.035	0.89	.138	3.50	20.08	9.084	MS9964-42	4.750	120.65	3.079	78.21	3.250	82.55	44.00	19.958
MS9964-15	1.688	42.89	.035	0.89	.138	3.50	20.56	9.297	MS9964-43	4.875	123.82	3.204	81.39	3.375	85.72	44.96	20.389
MS9964-16	1.750	44.45	.035	0.89	.138	3.50	21.03	9.509	MS9964-44	5.000	127.00	3.329	84.56	3.500	88.90	45.92	20.820
MS9964-17	1.812	46.02	.035	0.89	.138	3.50	21.51	9.722	MS9964-45	5.125	130.18	3.454	87.74	3.625	92.07	46.87	21.260
MS9964-18	1.875	47.62	.035	0.89	.138	3.50	21.99	9.935	MS9964-46	5.250	133.35	3.579	90.91	3.750	95.25	47.83	21.695
MS9964-19	1.938	49.22	.035	0.89	.138	3.50	22.47	10.148	MS9964-47	5.375	136.52	3.704	94.08	3.875	98.42	48.79	22.130
MS9964-20	2.000	50.80	.035	0.89	.138	3.50	22.95	10.361	MS9964-48	5.500	139.70	3.829	97.26	4.000	101.60	49.75	22.566
MS9964-21	2.125	53.98	.035	0.89	.138	3.50	23.43	10.574	MS9964-49	5.625	142.88	3.954	100.44	4.125	104.77	50.70	23.001
MS9964-22	2.250	57.15	.035	0.89	.138	3.50	23.89	10.787	MS9964-50	5.750	146.05	4.079	103.61	4.250	107.95	51.66	23.437
MS9964-23	2.375	60.32	.035	0.89	.138	3.50	24.36	10.999	MS9964-51	5.875	149.22	4.204	106.79	4.375	111.12	52.62	23.868
MS9964-24	2.500	63.50	.035	0.89	.138	3.50	24.82	11.212	MS9964-52	6.000	152.40	4.329	109.96	4.500	114.30	53.57	24.299
MS9964-25	2.625	66.67	.035	0.89	.138	3.50	25.29	11.425									
MS9964-26	2.750	69.85	.035	0.89	.138	3.50	25.75	11.638									
MS9964-27	2.875	73.02	.035	0.89	.138	3.50	26.22	11.851									
MS9964-28	3.000	76.20	.035	0.89	.138	3.50	26.68	12.064									
MS9964-29	3.125	79.37	.035	0.89	.138	3.50	27.15	12.277									
MS9964-30	3.250	82.55	.035	0.89	.138	3.50	27.62	12.489									

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