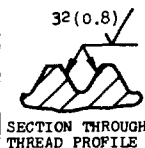


MS9965FED. SUP CLASS
5306

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

Ø.020(0.51) (M)

Ø.188(4.78)
TO DEPTH SHOWN

1.200
(30.48)
MIN

MARK PART NUMBER AND
MANUFACTURER'S IDENT
PER AS 478 CLASS A

1.064(27.02)
1.052(26.73)

Ø.032(0.81)

CHAM 30° TO Ø.1062(26.97)
(OPPOSITE SIDE OPTIONAL)

1 C .003(0.08)

32(0.8)

.422(10.72)

.342(8.69)

.235(5.97)

TO POINT

.016(0.41)

OR CHAM

.035(0.88)

.025(0.64)

32(0.8)

Ø.714(18.13)

.704(17.89)

Ø.006(0.15)

.002/1 (S)

Ø.006(0.15)

Ø.002/1 (S)

Ø.006(0.15)

Ø.002/1 (S)

Ø.006(0.15)

Ø.002/1 (S)

Ø.006(0.15)

Ø.002/1 (S)

Ø.006(0.15)

Ø.002/1 (S)

Ø.006(0.15)

Ø.002/1 (S)

Ø.006(0.15)

Ø.002/1 (S)

Ø.006(0.15)

Ø.002/1 (S)

Ø.006(0.15)

Ø.002/1 (S)

Ø.006(0.15)

Ø.002/1 (S)

Ø.006(0.15)

Ø.002/1 (S)

Ø.006(0.15)

Ø.002/1 (S)

Ø.006(0.15)

Ø.002/1 (S)

Ø.006(0.15)

Ø.002/1 (S)

Ø.006(0.15)

Ø.002/1 (S)

Ø.006(0.15)

Ø.002/1 (S)

Ø.006(0.15)

Ø.002/1 (S)

Ø.006(0.15)

Ø.002/1 (S)

Ø.006(0.15)

Ø.002/1 (S)

Ø.006(0.15)

Ø.002/1 (S)

.039(1.0) MIN
INCOMPLETE
THREADS
(SEE NOTE 2)

.750-16UNJF-3A
MIL-S-8879

-A-

CHAM PER .062(1.57)
X 45° ±10°

Ø.1072
(27.22)
MAX

Ø.1022(25.96) MIN
BEARING SURFACE

VIEW A

- FOR PART NUMBERS MS9965-04 THRU MS9965-26 THE THREAD PD SHALL REPLACE DATUM C
- 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.
- HEAD TO SHANK FILLET SHALL BE COLD WORKED.
- MAGNETIC PARTICLE INSPECTION PER AMS 2640 AFTER PLATING.
- SURFACE TEXTURE: ANSI B46.1-1962. UNLESS OTHERWISE SPECIFIED, SURFACES TO BE 125 MICROINCHES (3.2 MICROMETERS) EXCEPT UPSET HEAD.
- BREAK SHARP EDGES .003-.015 (0.08-0.38) UNLESS OTHERWISE SPECIFIED.
- 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.
- DIMENSIONING AND TOLERANCING: ANSI Y14.5-1986; Ø = DIAMETER.
- 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,
.750-16UNJF-3A

PROCUREMENT SPECIFICATION

SUPERSEDES:

MILITARY STANDARD

MS9965

SHEET 1 OF 2

5306-0500

DD FORM 672-1

ASD use only

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

APPROVED 27 Jun 74. REVISED

User activities:
Army
Navy
Air Force
D 5 A

Review activities:
Army
Navy
Air Force
D 5 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.

MS99965

User activities:
Army
Navy
Air Force
DSEA

Review activities:
Air Force
Army
Navy
DSEA

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P.A. Air Force - II Other Cast Army - AV Navy - AS	TITLE BOLT, MACHINE, HEXAGON HEAD, DRILLED, 6 HOLE, PD SHANK, STEEL AMS 5322, CADMIUM PLATED. .750-16UNJP-3A	MILITARY STANDARD MS99965
PROCUREMENT SPECIFICATION	SUPERSEDES:	SHEET 2 OF 2

DD FORM 672-1
ASG use only

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

5306-0500

☆U.S. GOVERNMENT PRINTING OFFICE: 1974-603-109/1183

FED. SUP CLASS
5306

PART NUMBER	L		G MIN	K MAX		APPROX MASS	PART NUMBER	L		G MIN	K MAX		APPROX MASS
	IN.	(mm)		IN.	(mm)			IN.	(mm)		IN.	(mm)	
MS99965-04	1.125	28.58	.035	.089	3.78	23.70	MS99965-26	3.000	76.20	1.065	27.06	31.75	44.52
MS99965-05	1.188	30.18	.035	.089	.149	24.39	MS99965-27	3.125	79.38	1.250	31.75	34.92	45.91
MS99965-06	1.250	31.75	.035	.089	.149	25.08	MS99965-28	3.250	82.55	1.315	33.41	38.10	47.31
MS99965-07	1.312	33.32	.035	.089	.149	25.77	MS99965-29	3.375	85.72	1.440	36.58	41.27	48.70
MS99965-08	1.375	34.92	.035	.089	.149	26.46	MS99965-30	3.500	88.90	1.565	39.76	44.45	50.09
MS99965-09	1.437	36.52	.035	.089	.149	27.15	MS99965-31	3.625	92.02	1.690	42.93	47.62	51.48
MS99965-10	1.500	38.10	.035	.089	.149	27.84	MS99965-32	3.750	95.25	1.815	46.11	50.80	52.87
MS99965-11	1.562	39.67	.035	.089	.149	28.53	MS99965-33	3.875	98.42	1.940	49.28	53.97	54.26
MS99965-12	1.625	41.28	.035	.089	.149	29.22	MS99965-34	4.000	101.60	2.065	52.46	57.15	55.65
MS99965-13	1.688	42.88	.035	.089	.149	29.92	MS99965-35	4.125	104.77	2.190	55.63	60.32	57.04
MS99965-14	1.750	44.45	.035	.089	.149	30.62	MS99965-36	4.250	107.95	2.315	58.81	63.50	58.43
MS99965-15	1.812	46.02	.035	.089	.149	31.31	MS99965-37	4.375	111.12	2.440	61.98	66.67	59.82
MS99965-16	1.875	47.62	.035	.089	.149	32.01	MS99965-38	4.500	114.30	2.565	65.16	69.85	61.21
MS99965-17	1.938	49.22	.035	.089	.188	32.70	MS99965-39	4.625	117.48	2.690	68.33	73.02	62.60
MS99965-18	2.000	50.80	.065	1.66	.250	33.40	MS99965-40	4.750	120.65	2.815	71.51	76.20	63.99
MS99965-19	2.125	53.98	.190	4.83	.375	34.79	MS99965-41	4.875	123.82	2.940	74.68	79.37	65.38
MS99965-20	2.250	57.15	.315	8.01	.500	36.18	MS99965-42	5.000	127.00	3.065	77.86	82.55	66.77
MS99965-21	2.375	60.32	.440	11.18	.625	37.57	MS99965-43	5.125	130.18	3.190	81.03	85.72	68.17
MS99965-22	2.500	63.50	.565	14.36	.750	38.96	MS99965-44	5.250	133.35	3.315	84.22	88.90	69.56
MS99965-23	2.625	66.68	.690	17.53	.875	40.35	MS99965-45	5.375	136.52	3.440	87.38	92.07	70.98
MS99965-24	2.750	69.85	.815	20.71	1.000	41.74	MS99965-46	5.500	139.70	3.565	90.56	95.25	72.34
MS99965-25	2.875	73.02	.940	23.88	1.125	43.13	MS99965-47	5.625	142.88	3.690	93.73	98.42	73.73
							MS99965-48	5.750	146.05	3.815	96.91	101.60	75.12
							MS99965-49	5.875	149.22	3.940	100.08	104.77	76.51
							MS99965-50	6.000	152.40	4.065	103.26	107.95	77.90

APPROVED 27 Jun 74 REVISED