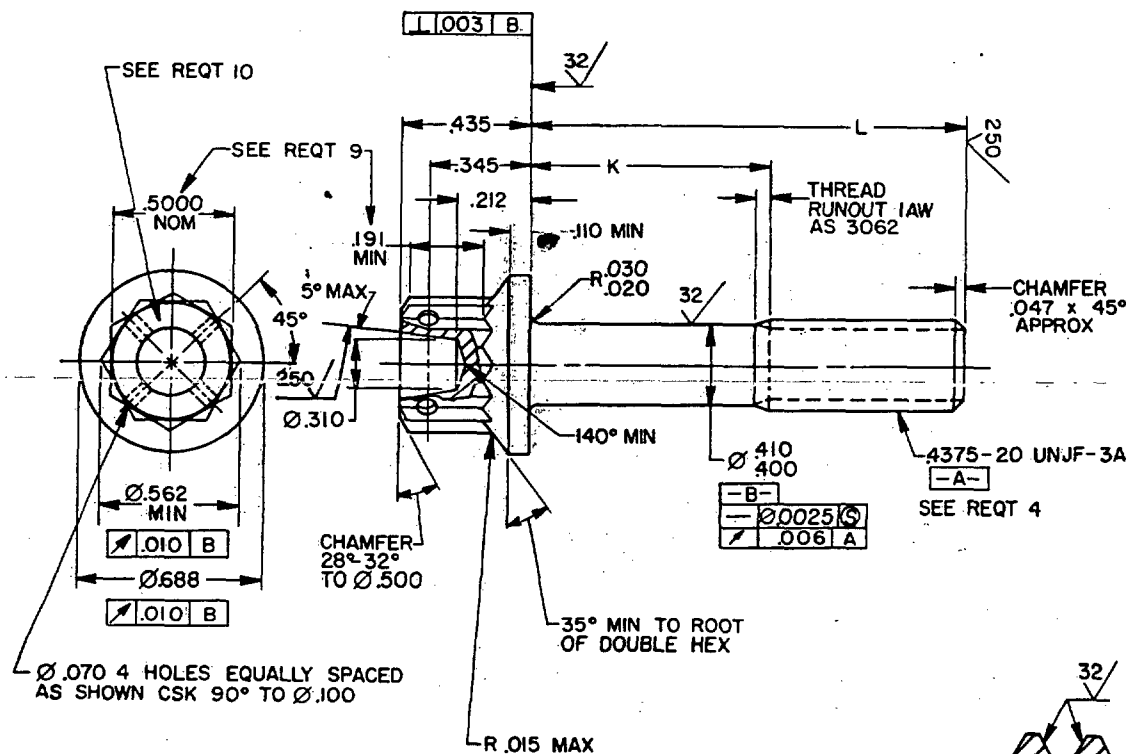


### USER ACTIVITIES:

**REVIEWER ACTIVITIES:**

**AIR FORCE-82**

**AIR FORCE**  
**DLA - IS**



SECTION THRU  
THREAD PROFILE

TABLE I. Dash numbers and dimensions.

DASH NO.	L	K	APPROX WEIGHT LB/100	DASH NO.	L	K	APPROX WEIGHT LB/100	DASH NO.	L	K	APPROX WEIGHT LB/100
-04	.688	.105-.125	5.05	-24	2.125	.940-1.000	10.38	-44	4.625	3.440-3.500	19.66
-05	.750	.105-.125	5.28	-25	2.250	1.065-1.125	10.85	-45	4.750	3.565-3.625	20.12
-06	.812	.105-.125	5.51	-26	2.375	1.190-1.250	11.32	-46	4.875	3.690-3.750	20.59
-07	.875	.105-.125	5.74	-27	2.500	1.315-1.375	11.79	-47	5.000	3.815-3.875	21.05
-08	.938	.105-.125	5.97	-28	2.625	1.440-1.500	12.26	-48	5.125	3.940-4.000	21.51
-09	1.000	.105-.125	6.20	-29	2.750	1.565-1.625	12.72	-49	5.250	4.065-4.125	21.97
-10	1.062	.105-.125	6.43	-30	2.875	1.690-1.750	13.19	-50	5.375	4.190-4.250	22.33
-11	1.125	.105-.125	6.67	-31	3.000	1.815-1.875	13.66	-51	5.500	4.315-4.375	22.80
-12	1.188	.105-.125	6.90	-32	3.125	1.940-2.000	14.12	-52	5.625	4.440-4.500	23.27
-13	1.250	.105-.125	7.13	-33	3.250	2.065-2.125	14.59	-53	5.750	4.565-4.625	23.74
-14	1.312	.128-.188	7.36	-34	3.375	2.190-2.250	15.06	-54	5.875	4.690-4.750	24.21
-15	1.375	.190-.250	7.59	-35	3.500	2.315-2.375	15.52	-55	6.000	4.815-4.875	24.67
-16	1.438	.252-.312	7.82	-36	3.625	2.440-2.500	15.99	-56	1.812	.628-.688	9.19
-17	1.500	.315-.375	8.05	-37	3.750	2.565-2.625	16.45	-57	1.938	.752-.812	9.66
-18	1.562	.378-.438	8.27	-38	3.875	2.690-2.750	16.92				
-19	1.625	.440-.500	8.50	-39	4.000	2.815-2.875	17.39				
-20	1.688	.502-.562	8.73	-40	4.125	2.940-3.000	17.85				
-21	1.750	.565-.625	8.96	-41	4.250	3.065-3.125	18.31				
-22	1.875	.690-.750	9.43	-42	4.375	3.190-3.250	18.75				
-23	2.000	.815-.875	9.90	-43	4.500	3.315-3.375	19.31				

**ⓓ ENTIRE STANDARD REDRAWN**

P.A. <b>NAVY - AS</b> <i>Other Cust</i> <b>ARMY - AV</b>	INTERNATIONAL INTEREST	TITLE <b>BOLT, MACHINE-DOUBLE HEXAGON          EXTENDED WASHER HEAD, DRILLED,          PD SHANK, SILVER PLATED,          4375-20 UNJF - 3A.</b>	<b>MILITARY STANDARD</b>
PROCUREMENT SPECIFICATION <b>NONE</b>			<b>MS9578</b>
SUPERSEDES:		PAGE 1 OF 2	

APPROVED 16 DEC 65 REVISED 30 SEPT 89

②

**REVISED**

16 DEC 65

**APPROVED**

10

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AMSC: N/A

DD FORM 672-1 (COORDINATED)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

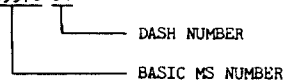
5306 - 1247

FED. SUP CLASS  
5306

## REQUIREMENTS:

1. **MATERIAL:** CORROSION AND HEAT RESISTANT STEEL IN ACCORDANCE WITH AMS 5731 (UNS S66286).
2. **FLUORESCENT PENETRANT INSPECTION:** FLUORESCENT PENETRANT INSPECTION IN ACCORDANCE WITH AMS 2645 BEFORE PLATING.
3. **FINISH:** SILVER PLATE IN ACCORDANCE WITH AMS 2411 .0002-.0006 THICK AT THREAD PD. DIMENSIONS SPECIFIED ARE AFTER PLATING. PD MAY BE REDUCED .0012 MAXIMUM BEFORE PLATING.
4. **THREADS:** THREADS IN ACCORDANCE WITH MIL S-6879. INCOMPLETE THREADS NOT TO ENTER FILLET.
5. **MANUFACTURING:** MANUFACTURE IN ACCORDANCE WITH AMS 7477.
6. **DIMENSIONING AND TOLERANCING:** DIMENSIONING AND TOLERANCING SHALL BE IN ACCORDANCE WITH ANSI Y14.5M.
7. **EDGES:** BREAK SHARP EDGES .003-.015 UNLESS OTHERWISE SPECIFIED.
8. **SURFACE TEXTURE:** SURFACE TEXTURE IN ACCORDANCE WITH ANSI/ASME B46.1. UNLESS OTHERWISE SPECIFIED, SURFACES TO BE 125 MICROINCHES EXCEPT UPSET HEAD.
9. **TOLERANCING:** UNLESS OTHERWISE SPECIFIED, TOLERANCES SHALL BE FOR LINEAR DIMENSIONS  $\pm .010$ , ANGULAR DIMENSIONS  $\pm 5^\circ$ .
10. **WRENCHING CONFIGURATION:** WRENCHING CONFIGURATION IN ACCORDANCE WITH AS 870.
11. **MARKING:** MARK PART NUMBER AND MANUFACTURER'S IDENTIFICATION IN ACCORDANCE WITH AS 478 CLASS A.
12. **PART NUMBER:** THE PART NUMBER SHALL CONSIST OF THE BASIC MS PART NUMBER FOLLOWED BY A DASH NUMBER FROM TABLE I.

EXAMPLE: MS9578-04



MS9578-04 INDICATES: BOLT, MACHINE - DOUBLE HEXAGON EXTENDED WASHER HEAD, DRILLED, PD SHANK, AMS 5731, SILVER PLATED, .4375-20 UNJF-3A X .688 LONG.

## NOTES:

1. ALL DIMENSIONS ARE IN INCHES.
2. DO NOT USE UNASSIGNED PART NUMBERS.
3. IN THE EVENT OF A CONFLICT BETWEEN IN THE TEXT OF THIS STANDARD AND THE REFERENCES CITED HEREIN, THE TEXT OF THIS STANDARD SHALL TAKE PRECEDENCE.
4. REFERENCED GOVERNMENT (OR NONGOVERNMENT) DOCUMENTS OF THE ISSUE LISTED IN THAT ISSUE OF THE DEPARTMENT OF DEFENSE INDEX OF SPECIFICATIONS AND STANDARDS (DoDISS) SPECIFIED IN THE SOLICITATION FORM A PART OF THIS STANDARD TO THE EXTENT SPECIFIED.
5. THIS STANDARD WAS DEVELOPED COOPERATIVELY WITH THE SAE AEROSPACE PROPULSION DIVISION.
6. AS AND AMS ARE SAE PUBLICATIONS.

P.A. NAVY - AS Other Cust ARMY - AV	INTERNATIONAL INTEREST	TITLE BOLT, MACHINE-DOUBLE HEXAGON EXTENDED WASHER HEAD, DRILLED, PD SHANK, SILVER PLATED, .4375-20 UNJF-3A.	MILITARY STANDARD MS9578
PROCUREMENT SPECIFICATION NONE	SUPERSEDES:	PAGE 2	OF 2

USER ACTIVITIES:

REVIEWER ACTIVITIES:  
AR FORCE - 82  
DLA - IS

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 when applicable.

APPROVED 16 DEC 65 REVISED 10 FOR CHANGES SEE PAGES 1 AND 2