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REV.
A

AS9716

RATIONALE

REDRAWN TO PROVIDE ALTERNATIVE METHOD OF MANUFACTURE OF THE LIGHTENING HOLE.

NOTICE

THE INITIAL SAE PUBLICATION OF THIS DOCUMENT WAS TAKEN DIRECTLY FROM U.S. MILITARY STANDARD MS9715A, AMENDMENT 1. THIS SAE STANDARD RETAINS THE SAME PART NUMBERS ESTABLISHED BY THE ORIGINAL MILITARY DOCUMENT.

ANY REQUIREMENTS ASSOCIATED WITH QUALIFIED PRODUCTS LISTS (QPL) MAY CONTINUE TO BE MANDATORY FOR DOD CONTRACTS. REQUIREMENTS RELATING TO QPL'S HAVE NOT BEEN ADOPTED BY THE SAE FOR THIS STANDARD AND ARE NOT PART OF THIS SAE DOCUMENT

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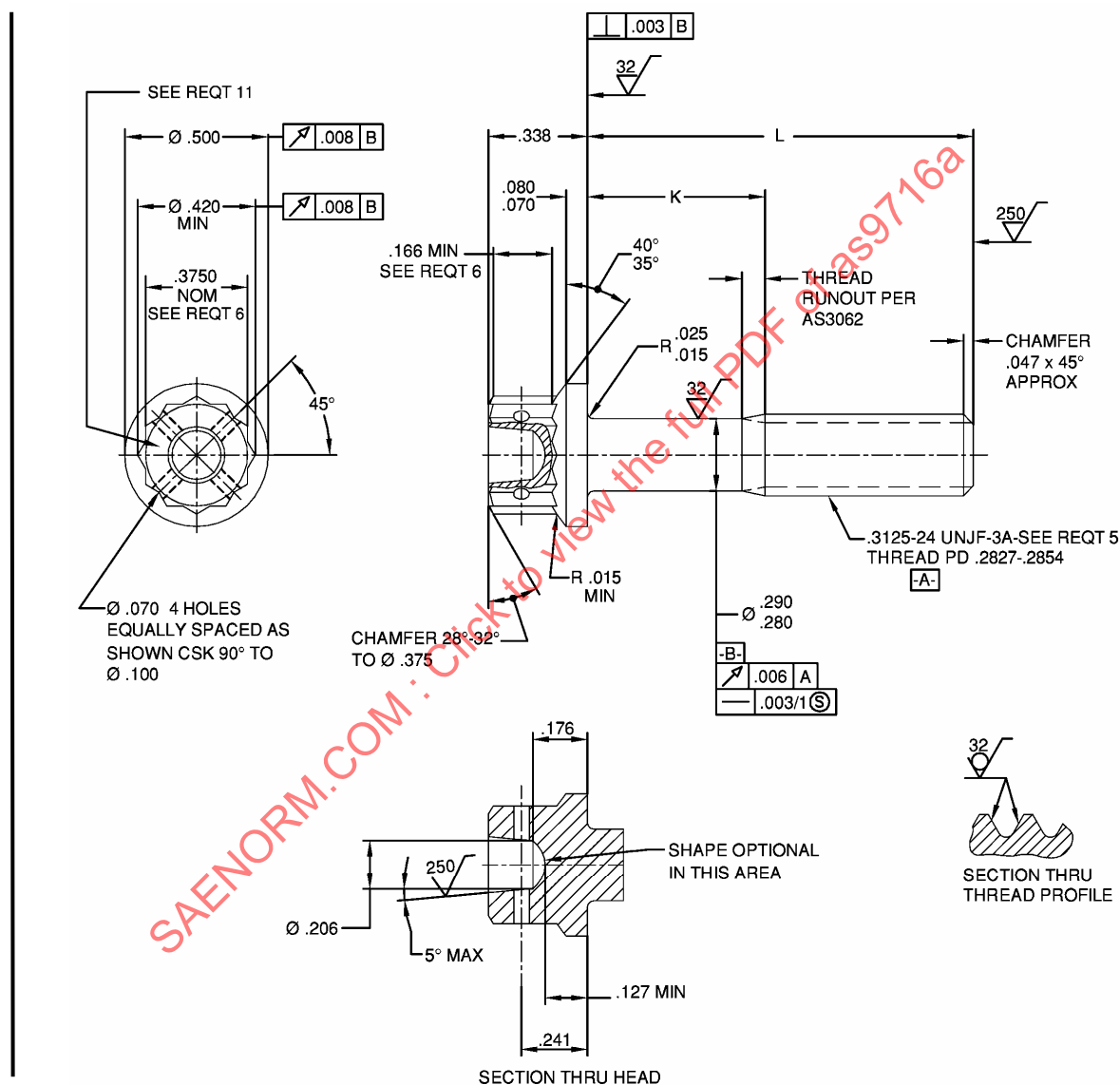


FIGURE 1 - BOLT

CUSTODIAN: SAE E-25

PROCUREMENT SPECIFICATION: AS7471

SAE Aerospace
An SAE International Group

AEROSPACE STANDARD

BOLT, MACHINE-DOUBLE HEXAGON, EXTENDED WASHER HEAD, DRILLED, SILVER PLATED, CORROSION AND HEAT RESISTANT STEEL, .3125-24 UNJF-3A

AS9716
SHEET 1 OF 3

REV. A

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ISSUED 1998-10 REAFFIRMED 2003-10 REVISED 2007-07

TABLE 1 - DASH NUMBERS AND DIMENSIONS

DASH NUMBER	L	K	APPROX WEIGHT LB/100	DASH NUMBER	L	K	APPROX WEIGHT LB/100	DASH NUMBER	L	K	APPROX WEIGHT LB/100
-04	.500	.088-.108	2.17	-22	1.625	.690-.750	4.29	-40	3.625	2.690-2.750	8.07
-05	.562	.088-.108	2.29	-23	1.688	.752-.812	4.41	-41	3.750	2.815-2.875	8.31
-06	.625	.088-.108	2.41	-24	1.750	.815-.875	4.53	-42	3.875	2.940-3.000	8.54
-07	.688	.088-.108	2.52	-25	1.812	.877-.937	4.65	-43	4.000	3.065-3.125	8.78
-08	.750	.088-.108	2.64	-26	1.875	.940-1.000	4.77	-44	4.125	3.190-3.250	9.02
-09	.812	.088-.108	2.76	-27	2.000	1.065-1.125	5.00	-45	4.250	3.315-3.375	9.25
-10	.875	.088-.108	2.88	-28	2.125	1.190-1.250	5.24	-46	4.375	3.440-3.500	9.49
-11	.938	.088-.108	3.00	-29	2.250	1.315-1.375	5.48	-47	4.500	3.565-3.625	9.72
-12	1.000	.088-.125	3.11	-30	2.375	1.440-1.500	5.71	-48	4.625	3.690-3.750	9.96
-13	1.062	.128-.188	3.23	-31	2.500	1.565-1.625	5.95	-49	4.750	3.815-3.875	10.20
-14	1.125	.190-.250	3.35	-32	2.625	1.690-1.750	6.19	-50	4.875	3.940-4.000	10.43
-15	1.188	.252-.312	3.47	-33	2.750	1.815-1.875	6.42	-51	5.000	4.065-4.125	10.67
-16	1.250	.315-.375	3.59	-34	2.875	1.940-2.000	6.66	-52	5.125	4.190-4.250	10.91
-17	1.312	.378-.438	3.70	-35	3.000	2.065-2.125	6.90	-53	5.250	4.315-4.375	11.14
-18	1.375	.440-.500	3.82	-36	3.125	2.190-2.250	7.13	-54	5.375	4.440-4.500	11.38
-19	1.438	.502-.562	3.94	-37	3.250	2.315-2.375	7.36	-55	5.500	4.565-4.625	11.61
-20	1.500	.565-.625	4.06	-38	3.375	2.440-2.500	7.60	-56	5.625	4.690-4.750	11.85
-21	1.562	.628-.688	4.18	-39	3.500	2.565-2.625	7.84	-57	5.750	4.815-4.875	12.09
								-58	5.875	4.940-5.000	12.32
								-59	6.000	5.065-5.125	12.56

REQUIREMENTS:

- FOR PART NUMBERS MS9716-04 THRU MS9716-16 THE THREAD PD (DATUM **- A -**) SHALL REPLACE DATUM **- B -**.
- MATERIAL: CORROSION AND HEAT RESISTANT STEEL IN ACCORDANCE WITH AMS 5708 (UNS N07001).
- PROCUREMENT SPECIFICATION: AS7471.
- FINISH: SILVER PLATE IN ACCORDANCE WITH AMS 2410, .0002 TO .0006 THICK AT THREAD PD. DIMENSIONS SPECIFIED ARE AFTER PLATING.
- THREADS IN ACCORDANCE WITH AS8879. INCOMPLETE THREADS NOT TO ENTER FILLET.
- WRENCHING CONFIGURATION IN ACCORDANCE WITH AS870-12.
- DIMENSIONING AND TOLERANCING PER ANSI Y14.5M-1982 (ASME PUBLICATION).
- SURFACE TEXTURE: SYMBOLS PER ASME Y14.36M. REQUIREMENTS PER ASME B46.1. UNLESS OTHERWISE SPECIFIED, SURFACES TO BE 125 MICROINCHES Ra.
- FLUORESCENT PENETRANT INSPECTION SHALL BE IN ACCORDANCE WITH ASTM E 1417, BEFORE PLATING.
- HEAD TO SHANK FILLET SHALL BE COLD ROLLED AFTER HEAT TREATMENT TO REMOVE ALL VISUAL EVIDENCE OF GRINDING OR TOOL MARKS EXCEPT DASH NUMBER SIZES -12 AND SMALLER.