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REV.
A

AS9751

RATIONALE

GENERAL REVISION. REVISE LIGHTENING HOLE CONFIGURATION (ADD SECTION VIEW) TO ALLOW OPTIONAL SHAPE AT BOTTOM OF HOLE, ADD EXCEPTION TO EDGE DISTANCE REQUIREMENTS FOR HEAD MARKING, UPDATE THREAD SPECIFICATION TO AS8879, UPDATE SURFACE FINISH REQUIREMENTS, ADD AS3062 AND DELETE NOTE ON FILLET FOR INCOMPLETE THREAD REQUIREMENTS, ADD DATUM REQUIREMENTS FOR -04 THRU -18 LENGTHS (NEW NOTE 1), UPDATE DIMENSIONING AND TOLERANCING TO ANSI Y14.5M-1982, DELETE .015 MAX RADIUS AT BASE OF WRENCH PAD, DELETE HARDNESS NOTE, AND FIGURE 1 REDRAWN.

NOTICE

THE INITIAL SAE PUBLICATION OF THIS DOCUMENT WAS TAKEN DIRECTLY FROM U.S. MILITARY STANDARD MS9751, NOTICE 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 QPLS HAVE NOT BEEN ADOPTED BY THE SAE FOR THIS STANDARD AND ARE NOT PART OF THIS SAE DOCUMENT.

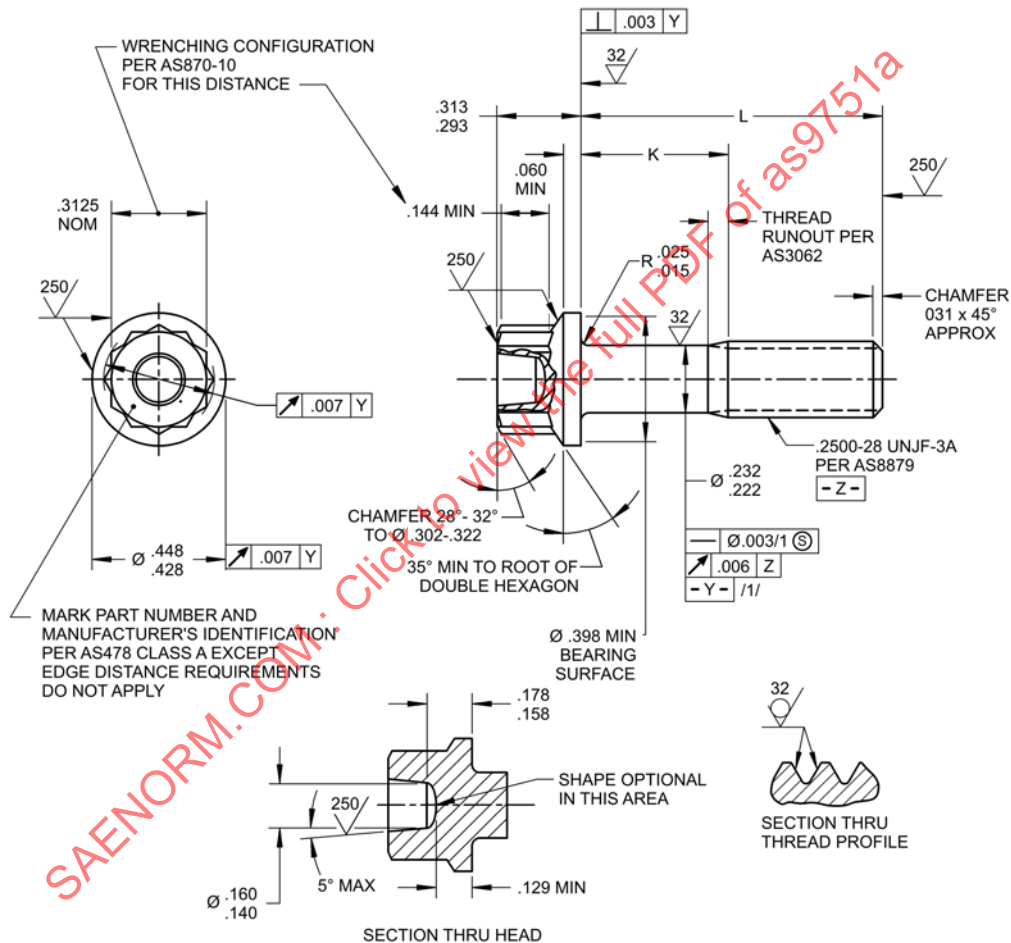
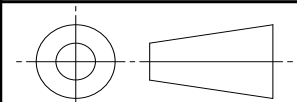


FIGURE 1 - BOLT

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THIRD ANGLE PROJECTION



CUSTODIAN: E-25

PROCUREMENT SPECIFICATION: AS7461



AEROSPACE STANDARD

BOLT, MACHINE - DOUBLE HEXAGON EXTENDED WASHER HEAD, PD SHANK, AMS4967 (TI 6AL-4V) .2500-28 UNJF-3A

AS9751
SHEET 1 OF 3

REV.
A

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ISSUED 2000-08 REAFFIRMED 2005-05 REVISED 2014-06

TABLE 1 - PART NUMBERS AND DIMENSIONS

PART NUMBER	L	K	APPROX WEIGHT LB/100	PART NUMBER	L	K	APPROX WEIGHT LB/100
MS9751-04	.365- .385	.079- .099	.73	MS9751-34	2.615-2.635	1.815-1.875	2.17
MS9751-05	.428- .448	.079- .099	.77	MS9751-35	2.740-2.760	1.940-2.000	2.25
MS9751-06	.490- .510	.079- .099	.81	MS9751-36	2.865-2.885	2.065-2.125	2.33
MS9751-07	.552- .572	.079- .099	.85	MS9751-37	2.990-3.010	2.190-2.250	2.41
MS9751-08	.615- .635	.079- .099	.89	MS9751-38	3.115-3.135	2.315-2.375	2.49
MS9751-09	.678- .698	.079- .099	.93	MS9751-39	3.240-3.260	2.440-2.500	2.57
MS9751-10	.740- .760	.079- .099	.97	MS9751-40	3.365-3.385	2.565-2.625	2.65
MS9751-11	.802- .822	.079- .099	1.04	MS9751-41	3.490-3.510	2.690-2.750	2.73
MS9751-12	.865- .885	.079- .125	1.05	MS9751-42	3.615-3.635	2.815-2.875	2.81
MS9751-13	.928- .948	.128- .188	1.09	MS9751-43	3.740-3.760	2.940-3.000	2.89
MS9751-14	.990-1.010	.190- .250	1.13	MS9751-44	3.865-3.885	3.065-3.125	2.97
MS9751-15	1.052-1.072	.252- .312	1.17	MS9751-45	3.990-4.010	3.190-3.250	3.05
MS9751-16	1.115-1.135	.315- .375	1.21	MS9751-46	4.115-4.135	3.315-3.375	3.13
MS9751-17	1.178-1.198	.378- .438	1.25	MS9751-47	4.240-4.260	3.440-3.500	3.21
MS9751-18	1.240-1.260	.440- .500	1.29	MS9751-48	4.365-4.385	3.565-3.625	3.29
MS9751-19	1.302-1.322	.502- .562	1.33	MS9751-49	4.490-4.510	3.690-3.750	3.37
MS9751-20	1.365-1.385	.565- .625	1.37	MS9751-50	4.615-4.635	3.815-3.875	3.45
MS9751-21	1.428-1.448	.628- .688	1.41	MS9751-51	4.740-4.760	3.940-4.000	3.53
MS9751-22	1.490-1.510	.690- .750	1.45	MS9751-52	4.865-4.885	4.065-4.125	3.61
MS9751-23	1.552-1.572	.752- .812	1.49	MS9751-53	4.990-5.010	4.190-4.250	3.69
MS9751-24	1.615-1.635	.815- .875	1.53	MS9751-54	5.115-5.135	4.315-4.375	3.78
MS9751-25	1.678-1.698	.878- .938	1.57	MS9751-55	5.240-5.260	4.440-4.500	3.86
MS9751-26	1.740-1.760	.940-1.000	1.61	MS9751-56	5.365-5.385	4.565-4.625	3.94
MS9751-27	1.802-1.822	1.002-1.062	1.65	MS9751-57	5.490-5.510	4.690-4.750	4.02
MS9751-28	1.865-1.885	1.065-1.125	1.69	MS9751-58	5.615-5.635	4.815-4.875	4.10
MS9751-29	1.990-2.010	1.190-1.250	1.77	MS9751-59	5.740-5.760	4.940-5.000	4.18
MS9751-30	2.115-2.135	1.315-1.375	1.85	MS9751-60	5.865-5.885	5.065-5.125	4.26
MS9751-31	2.240-2.260	1.440-1.500	1.93	MS9751-61	5.990-6.010	5.190-5.250	4.34
MS9751-32	2.365-2.385	1.565-1.625	2.01				
MS9751-33	2.490-2.510	1.690-1.750	2.09				

NOTES:

- FOR PART NUMBERS MS9751-04 THRU MS9751-18 DATUM **Z** SHALL REPLACE DATUM **Y**.
- PROCUREMENT SPECIFICATION: AS7461.
- MATERIAL: AMS4967 (TITANIUM ALLOY 6AL-4V, COMPOSITION SIMILAR TO UNS R56400).
- FLUORESCENT PENETRANT INSPECTION PER ASTM E1417/E1417M, TYPE 1, SENSITIVITY LEVEL 2 MIN.
- SURFACE TEXTURE: SYMBOLS PER ASME Y14.36M. REQUIREMENTS PER ASME B46.1. UNLESS OTHERWISE SPECIFIED, SURFACES TO BE 125 MICROINCHES Ra EXCEPT UPSET HEAD.
- BREAK SHARP EDGES .003 TO .015 UNLESS OTHERWISE SPECIFIED.
- DIMENSIONS IN INCHES.
- DIMENSIONING AND TOLERANCING PER ANSI Y14.5M-1982 (ASME PUBLICATION).
- DO NOT USE UNASSIGNED PART NUMBERS.

	AEROSPACE STANDARD	AS9751 SHEET 2 OF 3	REV. A
	BOLT, MACHINE - DOUBLE HEXAGON EXTENDED WASHER HEAD, PD SHANK, AMS4967 (TI 6AL-4V), .2500-28 UNJF-3A		