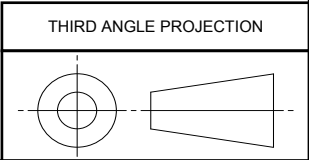


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REV. B	SAE AS9933		FEDERAL SUPPLY CLASS 5306	
	RATIONALE THIS DOCUMENT HAS BEEN DETERMINED TO CONTAIN BASIC AND STABLE TECHNOLOGY WHICH IS NOT DYNAMIC IN NATURE. STABILIZED NOTICE THIS DOCUMENT HAS BEEN DECLARED "STABILIZED" BY THE SAE E-25 GENERAL STANDARDS FOR AEROSPACE AND PROPULSION SYSTEMS COMMITTEE AND WILL NO LONGER BE SUBJECTED TO PERIODIC REVIEWS FOR CURRENCY. USERS ARE RESPONSIBLE FOR VERIFYING REFERENCES AND CONTINUED SUITABILITY OF TECHNICAL REQUIREMENTS. NEWER TECHNOLOGY MAY EXIST.			
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CUSTODIAN: E-25		PROCUREMENT SPECIFICATION: NONE		
		AEROSPACE STANDARD BOLT, MACHINE - DOUBLE HEXAGON EXTENDED WASHER HEAD, FULL SHANK, STEEL AMS6322, CADMIUM PLATED, .250-28 UNJF-3A		SAE AS9933 REV. B

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ISSUED 1998-05 REAFFIRMED 2003-10 REVISED 2011-12 STABILIZED 2012-10

THE INITIAL SAE PUBLICATION OF THIS DOCUMENT WAS TAKEN DIRECTLY FROM U.S. MILITARY STANDARD MS9933 NOTICE 1 (ASG). 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.

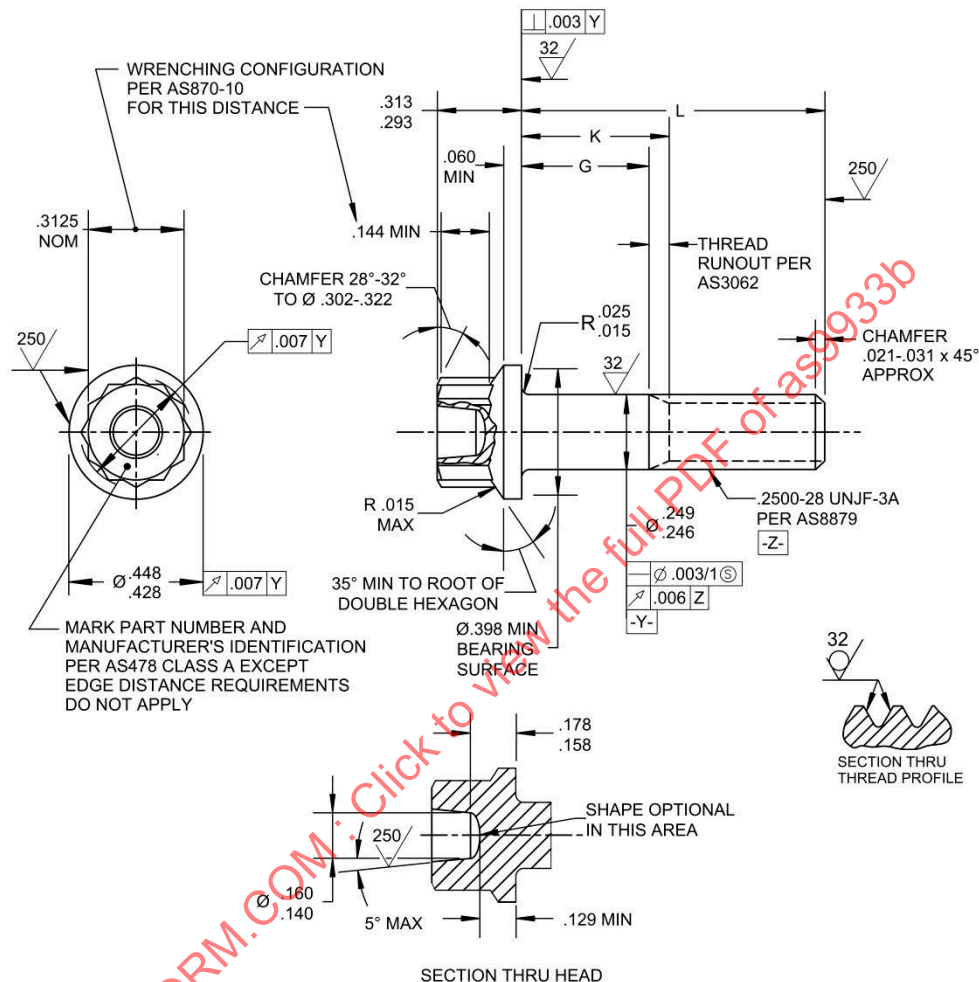


FIGURE 1 – BOLT

TABLE 1 – PART NUMBERS AND DIMENSIONS

PART NO.	L	G MIN	K MAX	APPROX WEIGHT LB/100	PART NO.	L	G MIN	K MAX	APPROX WEIGHT LB/100
MS9933-13	.928-.948	.057	.188	1.91	MS9933-40	3.240-3.260	2.369	2.500	5.11
MS9933-14	.990-1.010	.119	.250	1.99	MS9933-41	3.365-3.385	2.494	2.625	5.29
MS9933-15	1.052-1.072	.181	.312	2.08	MS9933-42	3.490-3.510	2.619	2.750	5.46
MS9933-16	1.115-1.135	.244	.375	2.17	MS9933-43	3.615-3.635	2.744	2.875	5.63
MS9933-17	1.178-1.198	.307	.438	2.26	MS9933-44	3.740-3.760	2.869	3.000	5.81
MS9933-18	1.240-1.260	.369	.500	2.34	MS9933-45	3.865-3.885	2.994	3.125	5.98
MS9933-19	1.302-1.322	.431	.562	2.43	MS9933-46	3.990-4.010	3.119	3.250	6.15
MS9933-20	1.365-1.385	.494	.625	2.51	MS9933-47	4.115-4.135	3.244	3.375	6.33
MS9933-21	1.428-1.448	.557	.688	2.60	MS9933-48	4.240-4.260	3.369	3.500	6.50
MS9933-22	1.490-1.510	.619	.750	2.69	MS9933-49	4.365-4.385	3.494	3.625	6.67
MS9933-23	1.552-1.572	.681	.812	2.77	MS9933-50	4.490-4.510	3.619	3.750	6.85
MS9933-24	1.615-1.635	.744	.875	2.86	MS9933-51	4.615-4.635	3.744	3.875	7.02
MS9933-25	1.678-1.698	.807	.938	2.95	MS9933-52	4.740-4.760	3.869	4.000	7.19
MS9933-26	1.740-1.760	.849	1.000	3.03	MS9933-53	4.865-4.885	3.994	4.125	7.37
MS9933-27	1.802-1.822	.931	1.062	3.12	MS9933-54	4.990-5.010	4.119	4.250	7.54
MS9933-28	1.865-1.885	.994	1.125	3.21	MS9933-55	5.115-5.135	4.244	4.375	7.72
MS9933-29	1.928-1.948	1.057	1.188	3.29	MS9933-56	5.240-5.260	4.369	4.500	7.82
MS9933-30	1.990-2.010	1.119	1.250	3.38	MS9933-57	5.365-5.385	4.494	4.625	8.06
MS9933-31	2.115-2.135	1.244	1.375	3.55	MS9933-58	5.490-5.510	4.619	4.750	8.24
MS9933-32	2.240-2.260	1.369	1.500	3.73	MS9933-59	5.615-5.635	4.744	4.875	8.41
MS9933-33	2.365-2.385	1.494	1.625	3.90	MS9933-60	5.740-5.760	4.869	5.000	8.58
MS9933-34	2.490-2.510	1.619	1.750	4.07	MS9933-61	5.865-5.885	4.994	5.125	8.76
MS9933-35	2.615-2.635	1.744	1.875	4.25	MS9933-62	5.990-6.010	5.119	5.250	8.91
MS9933-36	2.740-2.760	1.869	2.000	4.42					
MS9933-37	2.865-2.885	1.994	2.125	4.59					
MS9933-38	2.990-3.010	2.119	2.250	4.77					
MS9933-39	3.115-3.135	2.244	2.375	4.94					