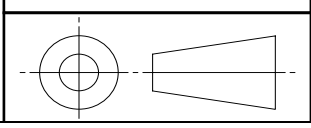


REV. B	FEDERAL SUPPLY CLASS 5306	
	RATIONALE THIS DOCUMENT HAS BEEN REAFFIRMED TO COMPLY WITH THE SAE 5-YEAR REVIEW POLICY.	
AS9454	THE INITIAL SAE PUBLICATION OF THIS DOCUMENT WAS TAKEN DIRECTLY FROM U.S. MILITARY STANDARD MS9454A, AMENDMENT 1. THIS SAE STANDARD RETAINS THE SAME PART NUMBERS ESTABLISHED 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.	
	WARNING THIS DOCUMENT INCLUDES CADMIUM AS A PLATING MATERIAL. THE USE OF CADMIUM HAS BEEN RESTRICTED AND/OR BANNED FOR USE IN MANY COUNTRIES DUE TO ENVIRONMENTAL AND HEALTH CONCERNS. THE USER SHOULD CONSULT WITH LOCAL OFFICIALS ON THE ENVIRONMENTAL AND HEALTH REGULATIONS REGARDING ITS USE.	
SAENORM.COM : Click to view the full PDF of as9454		THIRD ANGLE PROJECTION 
CUSTODIAN: SAE E-25		
	AEROSPACE STANDARD	
	BOLT, MACHINE - STEEL, DIFFUSED NICKEL-CADMIUM PLATED, HEXAGON HEAD, UNS K14675, 195 KSI MIN, .3750-24 UNJF-3A	
	AS9454 SHEET 1 OF 4	REV. B

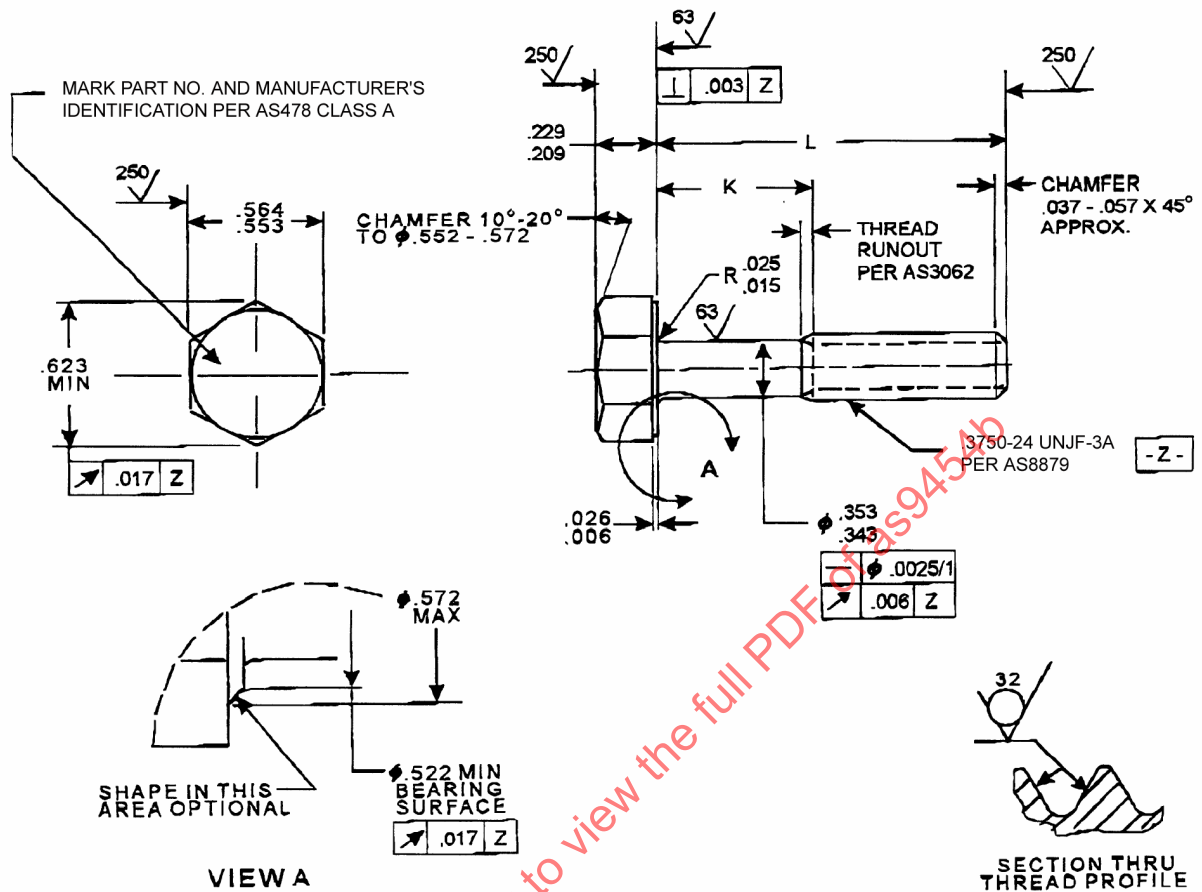


FIGURE 1 - BOLT

TABLE 1 - PART NUMBERS AND DIMENSIONS

PART NO.	L	K	APPROX. MASS LB/100	PART NO.	L	K	APPROX. MASS LB/100
MS9454-04	.615 - .635	.088 - .108	3.25	MS9454-31	2.865 - 2.885	1.815 - 1.875	9.41
MS9454-05	.678 - .698	.088 - .108	3.52	MS9454-32	2.990 - 3.010	1.940 - 2.000	9.74
MS9454-06	.740 - .760	.088 - .108	3.69	MS9454-33	3.115 - 3.135	2.065 - 2.125	10.08
MS9454-07	.802 - .822	.088 - .108	3.86	MS9454-34	3.240 - 3.260	2.190 - 2.250	10.41
MS9454-08	.865 - .885	.088 - .108	4.03	MS9454-35	3.365 - 3.385	2.315 - 2.375	10.75
MS9454-09	.928 - .948	.088 - .108	4.20	MS9454-36	3.490 - 3.510	2.440 - 2.500	11.09
MS9454-10	.990 - 1.010	.088 - .108	4.37	MS9454-37	3.615 - 3.635	2.565 - 2.625	11.42
MS9454-11	1.052 - 1.072	.088 - .108	4.53	MS9454-38	3.740 - 3.760	2.690 - 2.750	11.76
MS9454-12	1.115 - 1.135	.125 - .145	4.70	MS9454-39	3.865 - 3.885	2.815 - 2.875	12.09
MS9454-13	1.178 - 1.198	.128 - .188	4.87	MS9454-40	3.990 - 4.010	2.940 - 3.000	12.43
MS9454-14	1.240 - 1.260	.190 - .250	5.04	MS9454-41	4.115 - 4.135	3.065 - 3.125	12.77
MS9454-15	1.302 - 1.322	.252 - .312	5.21	MS9454-42	4.240 - 4.260	3.190 - 3.250	13.10
MS9454-16	1.365 - 1.385	.315 - .375	5.37	MS9454-43	4.365 - 3.385	3.315 - 3.375	13.44
MS9454-17	1.428 - 1.448	.378 - .438	5.54	MS9454-44	4.490 - 4.510	3.440 - 3.500	13.77
MS9454-18	1.490 - 1.510	.440 - .500	5.71	MS9454-45	4.615 - 4.635	3.565 - 3.625	14.11
MS9454-19	1.552 - 1.572	.502 - .562	5.88	MS9454-46	4.740 - 4.760	3.690 - 3.750	14.45
MS9454-20	1.615 - 1.635	.565 - .625	6.05	MS9454-47	4.865 - 4.885	3.815 - 3.875	14.78
MS9454-21	1.678 - 1.698	.628 - .688	6.21	MS9454-48	4.990 - 5.010	3.940 - 4.000	15.12
MS9454-22	1.740 - 1.760	.690 - .750	6.38	MS9454-49	5.115 - 5.135	4.065 - 4.125	15.45
MS9454-23	1.865 - 1.885	.815 - .875	6.72	MS9454-50	5.240 - 5.260	4.190 - 4.250	15.79
MS9454-24	1.990 - 2.010	.940 - 1.000	7.05	MS9454-51	5.365 - 5.385	4.315 - 4.375	16.13
MS9454-25	2.115 - 2.135	1.065 - 1.125	7.39	MS9454-52	5.490 - 5.510	4.440 - 4.500	16.46
MS9454-26	2.240 - 2.260	1.190 - 1.250	7.73	MS9454-53	5.615 - 5.635	4.565 - 4.625	16.80
MS9454-27	2.365 - 2.385	1.315 - 1.375	8.06	MS9454-54	5.740 - 5.760	4.690 - 4.750	17.13
MS9454-28	2.490 - 2.510	1.440 - 1.500	8.40	MS9454-55	5.865 - 5.885	4.815 - 4.875	17.47
MS9454-29	2.615 - 2.635	1.565 - 1.625	8.73	MS9454-56	5.990 - 6.010	4.940 - 5.000	17.81
MS9454-30	2.740 - 2.760	1.690 - 1.750	9.07				

NOTES:

1. MATERIAL: LOW ALLOY STEEL AMS 6304 (UNS K14675).
2. PROCUREMENT SPECIFICATION: AS7455.
3. HARDNESS: 42-46 HRC.
4. FINISH: DIFFUSED NICKEL-CADMIUM PLATE AMS 2416. DIMENSIONS ARE AFTER PLATING. CONTACT POINTS PERMISSIBLE. PD MAY BE REDUCED .0012 MAXIMUM BEFORE PLATING.
5. MAGNETIC PARTICLE INSPECTION PER ASTM E 1444 BEFORE PLATING.
6. INCOMPLETE THREADS NOT TO ENTER FILLET.
7. SURFACE TEXTURE: SYMBOLS PER ASME Y14.36M. REQUIREMENTS PER ASME B46.1. UNLESS OTHERWISE SPECIFIED, SURFACES TO BE 125 MICROINCHES Ra.
8. BREAK SHARP EDGES .003-.015, UNLESS OTHERWISE SPECIFIED.