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**REV. C**  
**AS9454™**

FEDERAL SUPPLY CLASS  
5306

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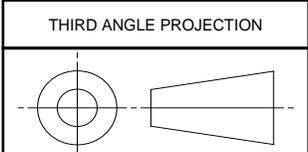
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CUSTODIAN: E-25



**AEROSPACE STANDARD**  
BOLT, MACHINE - STEEL, DIFFUSED NICKEL-CADMIUM PLATED, HEXAGON HEAD, UNS K14675, 195 KSI MIN, .3750-24 UNJF-3A

**AS9454™**

**REV. C**

ISSUED 1998-08 REVISED 2003-11 REAFFIRMED 2007-06 STABILIZED 2015-10

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	<b>AEROSPACE STANDARD</b>	<b>AS9454™</b> SHEET 1 OF 4	<b>REV.</b> <b>C</b>
	BOLT, MACHINE - STEEL, DIFFUSED NICKEL- CADMIUM PLATED, HEXAGON HEAD, UNS K14675, 195 KSI MIN, .3750-24 UNJF-3A		

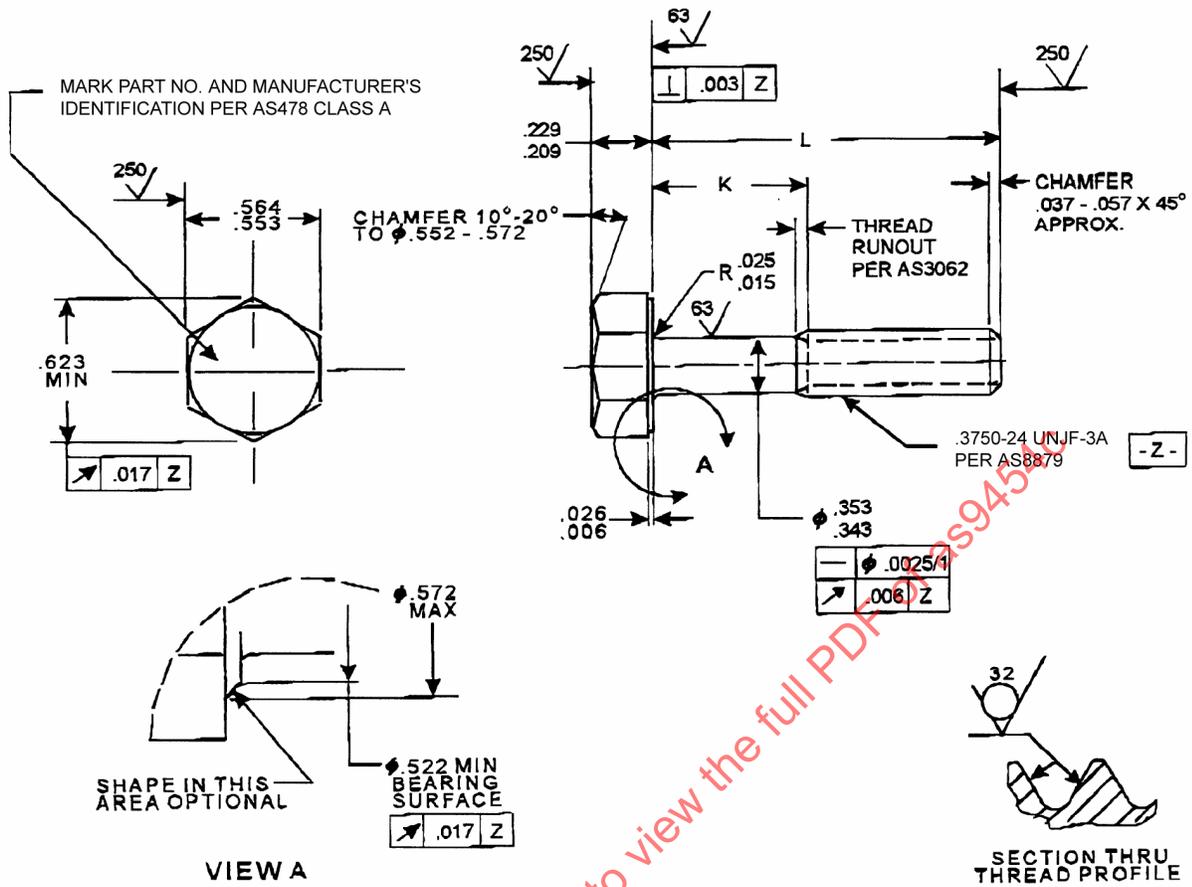


FIGURE 1 - BOLT

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	<b>AEROSPACE STANDARD</b>	<b>AS9454™</b> SHEET 2 OF 4	<b>REV.</b> <b>C</b>
	BOLT, MACHINE - STEEL, DIFFUSED NICKEL-CADMIUM PLATED, HEXAGON HEAD, UNS K14675, 195 KSI MIN, .3750-24 UNJF-3A		

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:

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

	<b>AEROSPACE STANDARD</b>	<b>AS9454™</b> SHEET 3 OF 4	<b>REV.</b> <b>C</b>
	BOLT, MACHINE - STEEL, DIFFUSED NICKEL-CADMIUM PLATED, HEXAGON HEAD, UNS K14675, 195 KSI MIN, .3750-24 UNJF-3A		