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**REV.
C**

AS9459™

FEDERAL SUPPLY CLASS
5306

RATIONALE

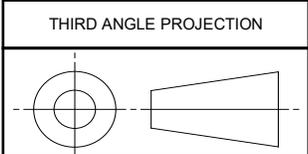
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ISSUED 1999-08 REAFFIRMED 2007-06 REVISED 2016-05 STABILIZED 2021-06

CUSTODIAN: E-25		PROCUREMENT SPECIFICATION: AS7452	
	AEROSPACE STANDARD		AS9459™
	BOLT, MACHINE - STEEL, AMS6304 (UNS K14675), DIFFUSED NICKEL-CADMIUM PLATED HEXAGON HEAD, .7500-16 UNJF-3A		

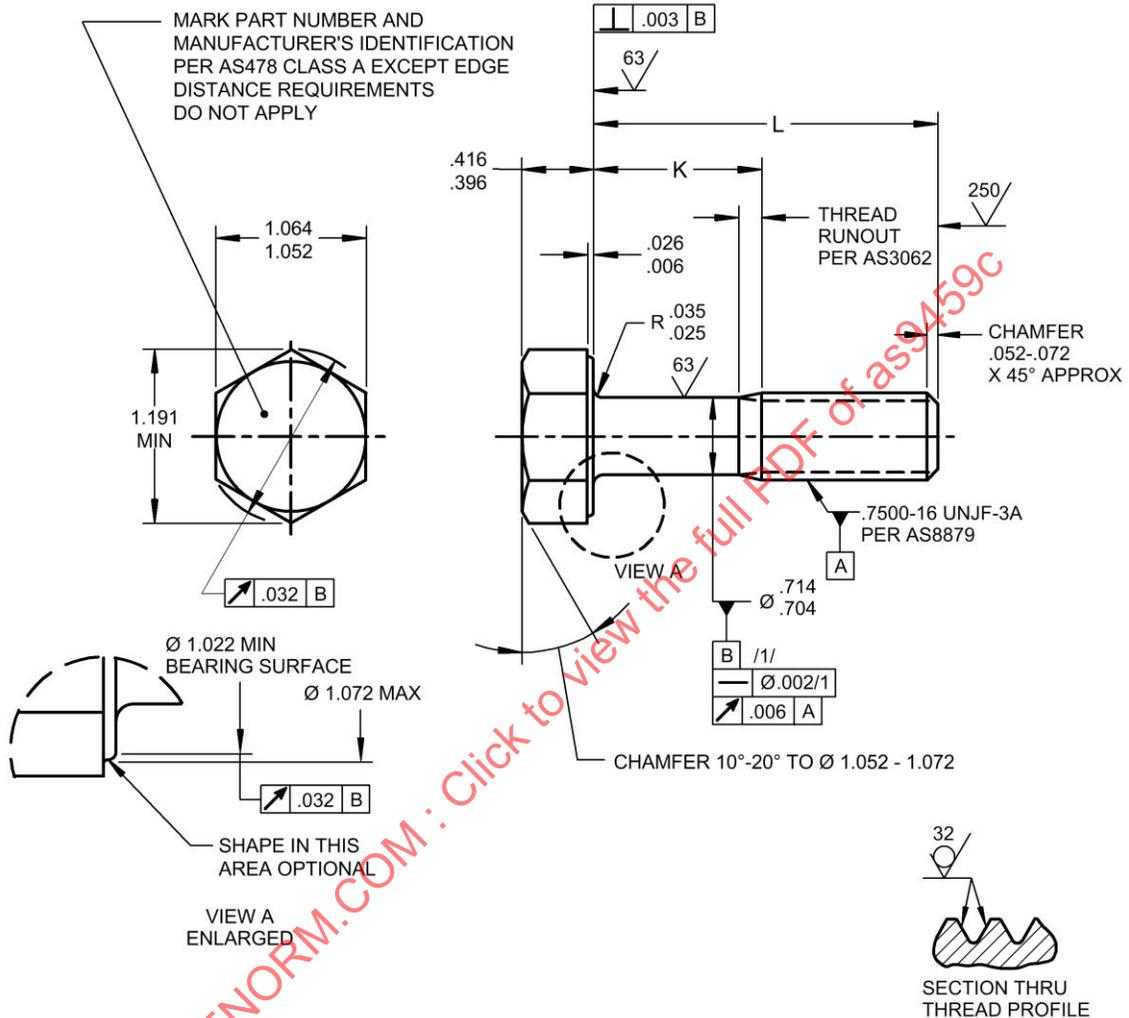


FIGURE 1 - BOLT

	AEROSPACE STANDARD	AS9459™ SHEET 1 OF 3	REV. C
	BOLT, MACHINE - STEEL, AMS6304 (UNS K14675), DIFFUSED NICKEL-CADMIUM PLATED HEXAGON HEAD, .7500-16 UNJF-3A		

TABLE 1 - PART NUMBERS AND DIMENSIONS

PART NUMBER	L	K	APPROX. MASS LB/100	PART NUMBER	L	K	APPROX. MASS LB/100
MS9459-06	1.240-1.260	0.129-0.149	25.04	MS9459-30	3.490-3.510	1.690-1.750	50.08
MS9459-07	1.302-1.322	0.129-0.149	25.74	MS9459-31	3.615-3.635	1.815-1.875	51.47
MS9459-08	1.365-1.385	0.129-0.149	26.43	MS9459-32	3.740-3.760	1.940-2.000	52.86
MS9459-09	1.428-1.448	0.129-0.149	27.13	MS9459-33	3.865-3.885	2.065-2.125	54.25
MS9459-10	1.490-1.510	0.129-0.149	27.82	MS9459-34	3.990-4.010	2.190-2.250	55.64
MS9459-11	1.552-1.572	0.129-0.149	28.52	MS9459-35	4.115-4.135	2.315-2.375	57.03
MS9459-12	1.615-1.635	0.129-0.149	29.22	MS9459-36	4.240-4.260	2.440-2.500	58.42
MS9459-13	1.678-1.698	0.129-0.149	29.91	MS9459-37	4.365-4.385	2.565-2.625	59.81
MS9459-14	1.740-1.760	0.129-0.149	30.61	MS9459-38	4.490-4.510	2.690-2.750	61.20
MS9459-15	1.802-1.822	0.129-0.149	31.30	MS9459-39	4.615-4.635	2.815-2.875	62.59
MS9459-16	1.865-1.885	0.129-0.149	32.00	MS9459-40	4.740-4.760	2.940-3.000	63.98
MS9459-17	1.928-1.948	0.168-0.188	32.69	MS9459-41	4.865-4.885	3.065-3.125	65.37
MS9459-18	1.990-2.010	0.190-0.250	33.39	MS9459-42	4.990-5.010	3.190-3.250	66.76
MS9459-19	2.115-2.135	0.315-0.375	34.78	MS9459-43	5.115-5.135	3.315-3.375	68.15
MS9459-20	2.240-2.260	0.440-0.500	36.17	MS9459-44	5.240-5.260	3.440-3.500	69.54
MS9459-21	2.365-2.385	0.565-0.625	37.56	MS9459-45	5.365-5.385	3.565-3.625	70.93
MS9459-22	2.490-2.510	0.690-0.750	38.95	MS9459-46	5.490-5.510	3.690-3.750	72.33
MS9459-23	2.615-2.635	0.815-0.875	40.34	MS9459-47	5.615-5.635	3.815-3.875	73.72
MS9459-24	2.740-2.760	0.940-1.000	41.73	MS9459-48	5.740-5.760	3.940-4.000	75.11
MS9459-25	2.865-2.885	1.065-1.125	43.12	MS9459-49	5.865-5.885	4.065-4.125	76.50
MS9459-26	2.990-3.010	1.190-1.250	44.51	MS9459-50	5.990-6.010	4.190-4.250	77.89
MS9459-27	3.115-3.135	1.315-1.375	45.90				
MS9459-28	3.190-3.210	1.440-1.500	47.29				
MS9459-29	3.365-3.385	1.565-1.625	48.68				

NOTES:

NOTICE

THIS DOCUMENT REFERENCES A PART WHICH CONTAINS CADMIUM AS A PLATING MATERIAL. CONSULT LOCAL OFFICIALS IF YOU HAVE QUESTIONS CONCERNING CADMIUM'S USE.

- 1/ FOR PARTS NUMBERS MS9459-06 THROUGH MS9459-25 DATUM **A** SHALL REPLACE DATUM **B**.
2. MATERIAL: LOW ALLOY STEEL IN ACCORDANCE WITH AMS6304 (COMPOSITION SIMILAR TO UNS K14675).
3. PROCUREMENT SPECIFICATION: AS7452
4. HARDNESS: ROCKWELL C42-46.
5. FINISH: DIFFUSED NICKEL-CADMIUM PLATED IN ACCORDANCE WITH AMS2416. DIMENSIONS SPECIFIED ARE AFTER PLATING. CONTACT POINTS PERMISSIBLE. PD MAY BE REDUCED .0012 MAXIMUM BEFORE PLATING.
6. HEAD TO SHANK FILLET: HEAD TO SHANK FILLET SHALL BE COLD ROLLED AFTER HEAT TREATMENT. COLD ROLLING SHALL BE SUFFICIENT TO REMOVE ALL VISUAL EVIDENCE OF GRINDING OR TOOL MARKS.

	AEROSPACE STANDARD	AS9459™ SHEET 2 OF 3	REV. C
	BOLT, MACHINE - STEEL, AMS6304 (UNS K14675), DIFFUSED NICKEL-CADMIUM PLATED HEXAGON HEAD, .7500-16 UNJF-3A		