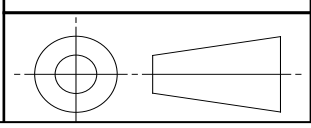


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REV. C	AS9459™	FEDERAL SUPPLY CLASS 5306	
		RATIONALE THIS DOCUMENT HAS BEEN DETERMINED TO CONTAIN BASIC AND STABLE TECHNOLOGY WHICH IS NOT DYNAMIC IN NATURE. STABILIZED NOTICE THIS DOCUMENT HAS BEEN DECLARED "STABILIZED" BY THE SAE E-25 GENERAL STANDARDS 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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For more information on this standard, visit https://www.sae.org/standards/content/AS9459C/		THIRD ANGLE PROJECTION 	
CUSTODIAN: E-25		PROCUREMENT SPECIFICATION: AS7452	
		AEROSPACE STANDARD BOLT, MACHINE - STEEL, AMS6304 (UNS K14675), DIFFUSED NICKEL-CADMIUM PLATED HEXAGON HEAD, .7500-16 UNJF-3A	AS9459™ REV. C

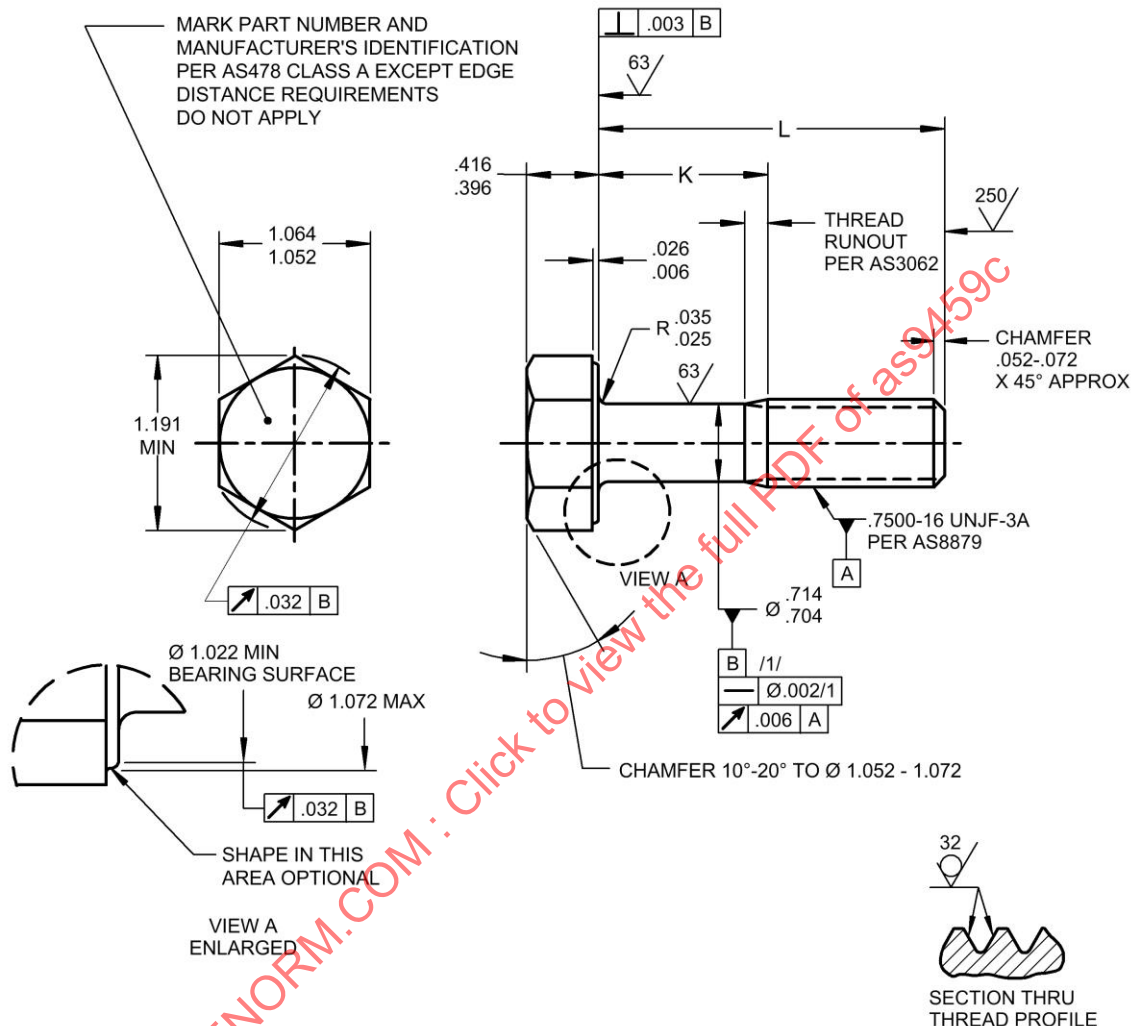


FIGURE 1 - BOLT

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		