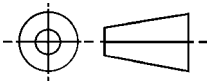


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REV. A	FEDERAL SUPPLY CLASS 5306	
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AS9455	SAENORM.COM : Click to view the full PDF of as9455a	
THIRD ANGLE PROJECTION 		ISSUED 1998-08 REVISED 2001-12
PREPARED BY SAE COMMITTEE E-25, GENERAL STANDARDS FOR AEROSPACE PROPULSION SYSTEMS		
	AEROSPACE STANDARD (R) BOLT, MACHINE - STEEL, DIFFUSED NICKEL-CADMIUM PLATED, HEXAGON HEAD, UNS K14675, 195 KSI MIN, .4375-20 UNJF-3A	AS9455 SHEET 1 OF 4
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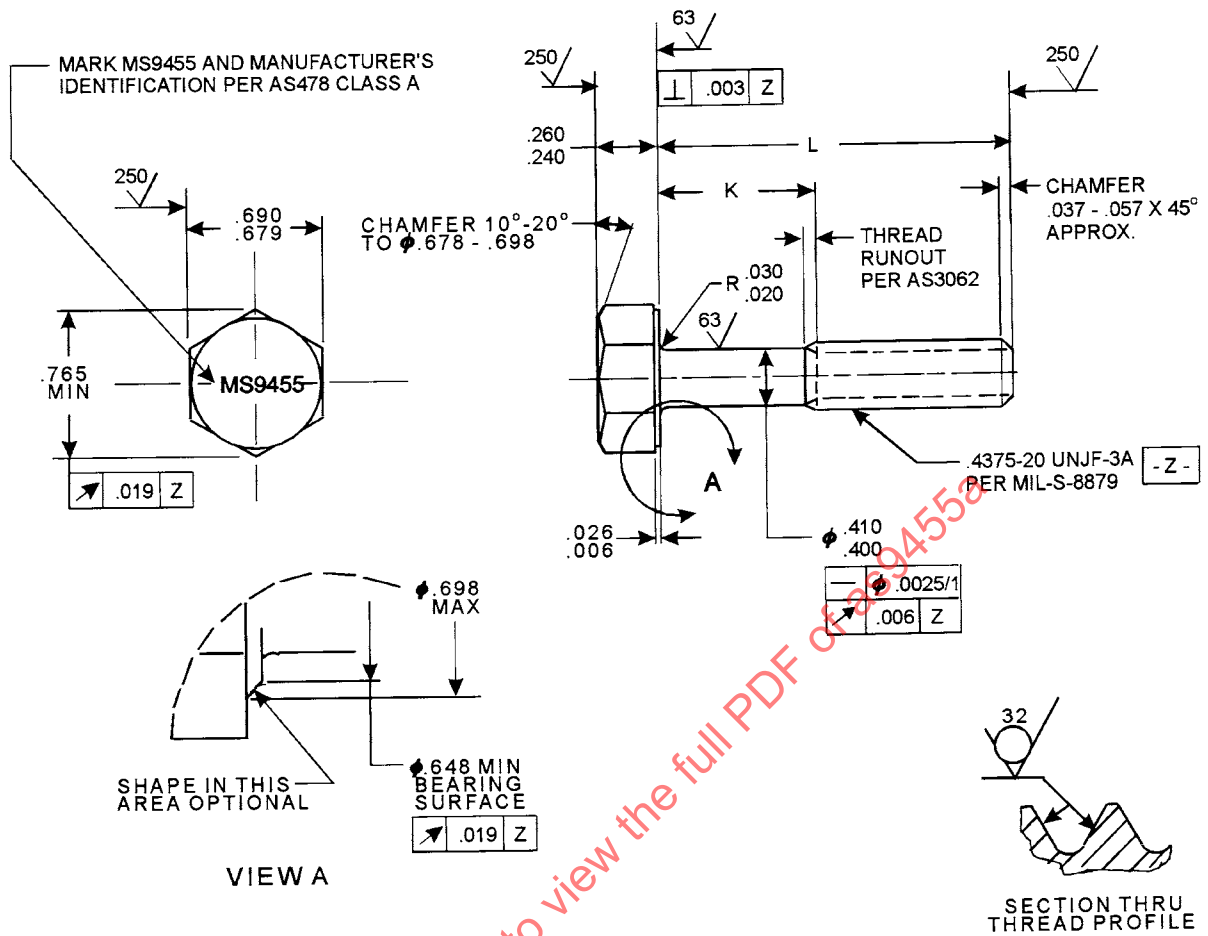


FIGURE 1 - BOLT

AEROSPACE STANDARD

(R) BOLT, MACHINE - STEEL, DIFFUSED NICKEL-
CADMIUM PLATED, HEXAGON HEAD,
UNS K14675, 195 KSI MIN, .4375-20 UNJF-3A

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TABLE 1 - PART NUMBERS AND DIMENSIONS

PART NO.	L	K	APPROX. MASS LB/100	PART NO.	L	K	APPROX. MASS LB/100
MS9455-04	.678 - .698	.105 - .125	5.78	MS9455-31	2.990 - 3.010	1.815 - 1.875	14.20
MS9455-05	.740 - .760	.105 - .125	6.01	MS9455-32	3.115 - 3.135	1.940 - 2.000	14.65
MS9455-06	.802 - .822	.105 - .125	6.24	MS9455-33	3.240 - 3.260	2.065 - 2.125	15.11
MS9455-07	.865 - .885	.105 - .125	6.47	MS9455-34	3.365 - 3.385	2.190 - 2.250	15.56
MS9455-08	.928 - .948	.105 - .125	6.69	MS9455-35	3.490 - 3.510	2.315 - 2.375	16.02
MS9455-09	.990 - 1.010	.105 - .125	6.92	MS9455-36	3.615 - 3.635	2.440 - 2.500	16.47
MS9455-10	1.052 - 1.072	.105 - .125	7.15	MS9455-37	3.740 - 3.760	2.565 - 2.625	16.93
MS9455-11	1.115 - 1.135	.105 - .125	7.37	MS9455-38	3.865 - 3.885	2.690 - 2.750	17.38
MS9455-12	1.178 - 1.198	.105 - .125	7.60	MS9455-39	3.990 - 4.010	2.815 - 2.875	17.84
MS9455-13	1.240 - 1.260	.125 - .145	7.83	MS9455-40	4.115 - 4.135	2.940 - 3.000	18.29
MS9455-14	1.302 - 1.322	.128 - .188	8.06	MS9455-41	4.240 - 4.260	3.065 - 3.125	18.74
MS9455-15	1.365 - 1.385	.190 - .250	8.28	MS9455-42	4.365 - 4.385	3.190 - 3.250	19.20
MS9455-16	1.428 - 1.448	.252 - .312	8.51	MS9455-43	4.490 - 4.510	3.315 - 3.375	19.65
MS9455-17	1.490 - 1.510	.315 - .375	8.74	MS9455-44	4.615 - 4.635	3.440 - 3.500	20.11
MS9455-18	1.552 - 1.572	.378 - .438	8.97	MS9455-45	4.740 - 4.760	3.565 - 3.625	20.56
MS9455-19	1.615 - 1.635	.440 - .500	9.19	MS9455-46	4.865 - 4.885	3.690 - 3.750	21.02
MS9455-20	1.678 - 1.698	.502 - .562	9.42	MS9455-47	4.990 - 5.010	3.815 - 3.875	21.47
MS9455-21	1.740 - 1.760	.565 - .625	9.65	MS9455-48	5.115 - 5.135	3.940 - 4.000	21.93
MS9455-22	1.865 - 1.885	.690 - .750	10.10	MS9455-49	5.240 - 5.260	4.065 - 4.125	22.38
MS9455-23	1.990 - 2.010	.815 - .875	10.56	MS9455-50	5.365 - 5.385	4.190 - 4.250	22.84
MS9455-24	2.115 - 2.135	.940 - 1.000	11.01	MS9455-51	5.490 - 5.510	4.315 - 4.375	23.29
MS9455-25	2.240 - 2.260	1.065 - 1.125	11.47	MS9455-52	5.615 - 5.635	4.440 - 4.500	23.75
MS9455-26	2.365 - 2.385	1.190 - 1.250	11.92	MS9455-53	5.740 - 5.760	4.565 - 4.625	24.20
MS9455-27	2.490 - 2.510	1.315 - 1.375	12.38	MS9455-54	5.865 - 5.885	4.690 - 4.750	24.66
MS9455-28	2.615 - 2.635	1.440 - 1.500	12.83	MS9455-55	5.990 - 6.010	4.815 - 4.875	25.11
MS9455-29	2.740 - 2.760	1.565 - 1.625	13.29				
MS9455-30	2.865 - 2.885	1.690 - 1.750	13.74				

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.
9. DIMENSIONING AND TOLERANCING PER ANSI Y14.5M-1982 (ASME PUBLICATION).
10. DIMENSIONS IN INCHES.
11. DO NOT USE UNASSIGNED PART NUMBERS.

AEROSPACE STANDARD

(R)

BOLT, MACHINE - STEEL, DIFFUSED NICKEL-
CADMIUM PLATED, HEXAGON HEAD,
UNS K14675, 195 KSI MIN, .4375-20 UNJF-3A

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