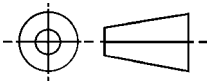
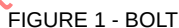


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REV. A	FEDERAL SUPPLY CLASS 5306	
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AS9457	SAENORM.COM : Click to view the full PDF of as9457A	
THIRD ANGLE PROJECTION 		ISSUED 1998-08 REVISED 2001-12
PREPARED BY SAE COMMITTEE E-25, GENERAL STANDARDS FOR AEROSPACE PROPULSION SYSTEMS		
	AEROSPACE STANDARD (R) BOLT, MACHINE - STEEL, DIFFUSED NICKEL-CADMIUM PLATED, HEXAGON HEAD, UNS K14675, 195 KSI MIN, .5625-18 UNJF-3A	AS9457 SHEET 1 OF 4
		REV. A



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AS9457

TABLE 1 - PART NUMBERS AND DIMENSIONS

PART NO.	L	K	APPROX. MASS LB/100	PART NO.	L	K	APPROX. MASS LB/100
MS9457-04	.865 - .885	.114 - .134	10.18	MS9457-31	3.240 - 3.260	1.815 - 1.875	25.73
MS9457-05	.928 - .948	.114 - .134	10.56	MS9457-32	3.365 - 3.385	1.940 - 2.000	26.49
MS9457-06	.990 - 1.010	.114 - .134	11.94	MS9457-33	3.490 - 3.510	2.065 - 2.125	27.26
MS9457-07	1.052 - 1.072	.114 - .134	12.32	MS9457-34	3.615 - 3.635	2.190 - 2.250	28.02
MS9457-08	1.115 - 1.135	.114 - .134	12.70	MS9457-35	3.740 - 3.760	2.315 - 2.375	28.79
MS9457-09	1.178 - 1.198	.114 - .134	13.08	MS9457-36	3.865 - 3.885	2.440 - 2.500	29.56
MS9457-10	1.240 - 1.260	.114 - .134	13.47	MS9457-37	3.990 - 4.010	2.565 - 2.625	30.32
MS9457-11	1.302 - 1.322	.114 - .134	13.85	MS9457-38	4.115 - 4.135	2.690 - 2.750	31.09
MS9457-12	1.365 - 1.385	.114 - .134	14.23	MS9457-39	4.240 - 4.260	2.815 - 2.875	31.86
MS9457-13	1.428 - 1.448	.114 - .134	14.62	MS9457-40	4.365 - 4.385	2.940 - 3.000	32.62
MS9457-14	1.490 - 1.510	.114 - .134	15.00	MS9457-41	4.490 - 4.510	3.065 - 3.125	33.39
MS9457-15	1.552 - 1.572	.128 - .188	15.38	MS9457-42	4.615 - 4.635	3.190 - 3.250	34.15
MS9457-16	1.615 - 1.635	.190 - .250	15.77	MS9457-43	4.740 - 4.760	3.315 - 3.375	34.92
MS9457-17	1.678 - 1.698	.252 - .312	16.15	MS9457-44	4.865 - 4.885	3.440 - 3.500	35.69
MS9457-18	1.740 - 1.760	.315 - .375	16.53	MS9457-45	4.990 - 5.010	3.565 - 3.625	36.45
MS9457-19	1.802 - 1.822	.378 - .438	16.91	MS9457-46	5.115 - 5.135	3.690 - 3.750	37.22
MS9457-20	1.865 - 1.885	.440 - .500	17.30	MS9457-47	5.240 - 5.260	3.815 - 3.875	37.99
MS9457-21	1.990 - 2.010	.565 - .625	18.06	MS9457-48	5.365 - 5.385	3.940 - 4.000	38.75
MS9457-22	2.115 - 2.135	.690 - .750	18.83	MS9457-49	5.490 - 5.510	4.065 - 4.125	39.52
MS9457-23	2.240 - 2.260	.815 - .875	19.06	MS9457-50	5.615 - 5.635	4.190 - 4.250	40.28
MS9457-24	2.365 - 2.385	.940 - 1.000	20.36	MS9457-51	5.740 - 5.760	4.315 - 4.375	41.05
MS9457-25	2.490 - 2.510	1.065 - 1.125	21.13	MS9457-52	5.865 - 5.885	4.440 - 4.500	41.82
MS9457-26	2.615 - 2.635	1.190 - 1.250	21.90	MS9457-53	5.990 - 6.010	4.565 - 4.625	42.58
MS9457-27	2.740 - 2.760	1.315 - 1.375	22.66				
MS9457-28	2.865 - 2.885	1.440 - 1.500	23.43				
MS9457-29	2.990 - 3.010	1.565 - 1.625	24.19				
MS9457-30	3.115 - 3.135	1.690 - 1.750	24.96				

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, .5625-18 UNJF-3A

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SHEET 3 OF 4

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