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AS9297

FEDERAL SUPPLY CLASS
5306

NOTICE

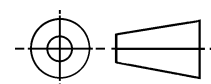
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THIRD ANGLE PROJECTION



PREPARED BY SAE COMMITTEE E-25

PROCUREMENT SPECIFICATION: NONE

SAE Aerospace
An SAE International Group

AEROSPACE STANDARD

BOLT, MACHINE - STEEL, AMS 6322, BLACK
OXIDE, DRILLED, 1 HOLE, HEXAGON HEAD,
.375-24 UNJF-3A

AS9297
SHEET 1 OF 4

ISSUED 1999-12 REAFFIRMED 2004-07

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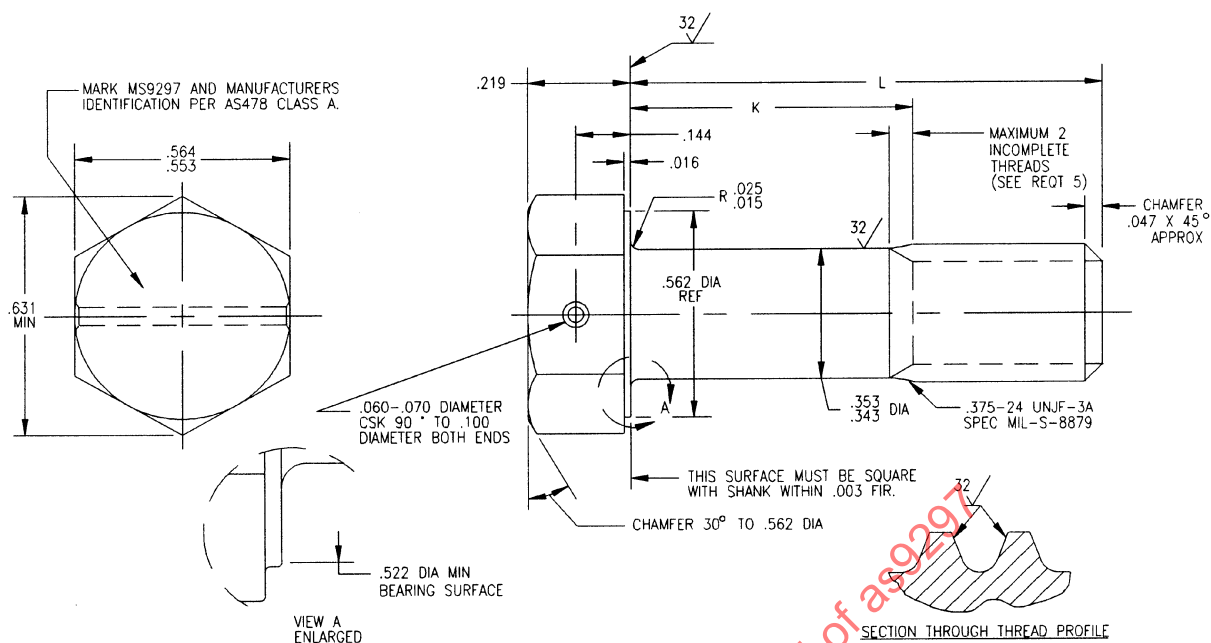


TABLE I - PART NUMBERS AND DIMENSIONS

PART NO.	L	K	APPROX WEIGHT LB/100	PART NO.	L	K	APPROX WEIGHT LB/100
MS9297-04	.625	.088-.108	3.33	MS9297-31	2.875	1.815-1.875	9.39
MS9297-05	.688	.088-.108	3.50	MS9297-32	3.000	1.940-2.000	9.72
MS9297-06	.750	.088-.108	3.67	MS9297-33	3.125	2.065-2.125	10.06
MS9297-07	.812	.088-.108	3.84	MS9297-34	3.250	2.190-2.250	10.39
MS9297-08	.875	.088-.108	4.01	MS9297-35	3.375	2.315-2.375	10.73
MS9297-09	.938	.088-.108	4.18	MS9297-36	3.500	2.440-2.500	11.07
MS9297-10	1.000	.088-.108	4.35	MS9297-37	3.625	2.565-2.625	11.40
MS9297-11	1.062	.088-.108	4.51	MS9297-38	3.750	2.690-2.750	11.74
MS9297-12	1.125	.088-.125	4.68	MS9297-39	3.875	2.815-2.875	12.07
MS9297-13	1.188	.128-.188	4.85	MS9297-40	4.000	2.940-3.000	12.41
MS9297-14	1.250	.190-.250	5.02	MS9297-41	4.125	3.063-3.125	12.75
MS9297-15	1.312	.252-.312	5.19	MS9297-42	4.250	3.190-3.250	13.08
MS9297-16	1.375	.315-.375	5.35	MS9297-43	4.375	3.315-3.375	13.42
MS9297-17	1.438	.378-.438	5.52	MS9297-44	4.500	3.440-3.500	13.75
MS9297-18	1.500	.440-.500	5.69	MS9297-45	4.625	3.565-3.625	14.09
MS9297-19	1.562	.502-.562	5.86	MS9297-46	4.750	3.690-3.750	14.43
MS9297-20	1.625	.565-.625	6.03	MS9297-47	4.875	3.815-3.875	14.76
MS9297-21	1.688	.628-.688	6.19	MS9297-48	5.000	3.940-4.000	15.10
MS9297-22	1.750	.690-.750	6.36	MS9297-49	5.125	4.065-4.125	15.43
MS9297-23	1.875	.815-.875	6.70	MS9297-50	5.250	4.190-4.250	15.77
MS9297-24	2.000	.940-1.000	7.03	MS9297-51	5.375	4.315-4.375	16.11
MS9297-25	2.125	1.065-1.125	7.37	MS9297-52	5.500	4.440-4.500	16.44
MS9297-26	2.250	1.190-1.250	7.71	MS9297-53	5.625	4.565-4.625	16.78
MS9297-27	2.375	1.315-1.375	8.04	MS9297-54	5.750	4.690-4.750	17.11
MS9297-28	2.500	1.440-1.500	8.38	MS9297-55	5.875	4.815-4.875	17.45
MS9297-29	2.625	1.565-1.625	8.71	MS9297-56	6.000	4.940-5.000	17.79
MS9297-30	2.750	1.690-1.750	9.05				

- HEAD TO SHANK FILLET SHALL BE COLD ROLLED AFTER HEAT TREATMENT TO REMOVE ALL VISUAL EVIDENCE OF GRINDING OR TOOL MARKS.
- SHANK SHALL BE STRAIGHT WITHIN .0025 PER INCH OF BOLT LENGTH.
- THE CONCENTRICITY OF THREAD PD IN RELATION TO THE SHANK SHALL BE WITHIN .006 FIR.
- THE CONCENTRICITY OF THE SHANK IN RELATION TO THE WASHER FACE DIAMETER AND HEXAGON SHALL BE WITHIN .017 FIR.
- INCOMPLETE THREADS NOT TO ENTER FILLET.
- MATERIAL: STEEL AMS 6322.
- HARDNESS: ROCKWELL C26-32.
- FINISH: BLACK OXIDE TREATMENT AMS 2485.
- MANUFACTURING SPECIFICATION: AMS 7452 EXCEPT HEAD MUST BE UPSET.
- MAGNETIC PARTICLE INSPECTION PER AMS 2640.