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AS9742

FEDERAL SUPPLY CLASS
5306

NOTICE

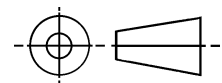
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THIRD ANGLE PROJECTION



ISSUED 1999-08

PREPARED BY SAE COMMITTEE E-25

PROCUREMENT SPECIFICATION: NONE

SAE The Engineering Society
For Advancing Mobility
Land Sea Air and Space®
INTERNATIONAL
400 Commonwealth Drive, Warrendale, PA 15096-0001

AEROSPACE STANDARD

BOLT, MACHINE-DOUBLE HEXAGON EXTENDED WASHER
HEAD, DRILLED, PD SHANK, CRES AMS 5643,
.250-28 UNJF-3A

AS9742
SHEET 1 OF 3

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MARK PART NO. AND MANUFACTURER'S IDENTIFICATION PER AS 478 CLASS A

WRENCHING CONFIGURATION PER AS 870 FOR THIS DISTANCE

.3125 NOM

45°

.060-.070 DIA. 4 HOLES EQUALLY SPACED AS SHOWN, CSK 90° TO .080-.090 DIA

.438

.303

.219

.168

144 MIN

5° MAX

.150 DIA

R .015 MAX

CHAMFER 28°-32° TO .312 DIA

35° MIN TO ROOT OF DOUBLE HEX

.060 MIN

R .025 .015

32°

140° MIN

.232 DIA

.222

250-28 UNJF-3A MIL-S-8879

THIS SURFACE MUST BE SQUARE WITH SHANK WITHIN .003 TIR

MAXIMUM 2 INCOMPLETE THREADS (SEE NOTE 4)

CHAMFER .031 x 45° APPROX.

32°

SECTION THRU THREAD PROFILE

PART NUMBER	L	K	APPROX WEIGHT LB/100	PART NUMBER	L	K	APPROX WEIGHT LB/100	PART NUMBER	L	K	APPROX WEIGHT LB/100
MS9742-04	.375	.079-.099	1.25	MS9742-25	1.688	.878-.938	2.74	MS9742-46	4.125	3.315-3.375	5.50
MS9742-05	.438	.079-.099	1.32	MS9742-26	1.750	.940-1.000	2.81	MS9742-47	4.250	3.440-3.500	5.64
MS9742-06	.500	.079-.099	1.39	MS9742-27	1.812	1.002-1.062	2.88	MS9742-48	4.375	3.565-3.625	5.78
MS9742-07	.562	.079-.099	1.47	MS9742-28	1.875	1.065-1.125	2.95	MS9742-49	4.500	3.690-3.750	5.93
MS9742-08	.625	.079-.099	1.54	MS9742-29	2.000	1.190-1.250	3.09	MS9742-50	4.625	3.815-3.875	6.07
MS9742-09	.688	.079-.099	1.61	MS9742-30	2.125	1.315-1.375	3.24	MS9742-51	4.750	3.940-4.000	6.21
MS9742-10	.750	.079-.099	1.68	MS9742-31	2.250	1.440-1.500	3.38	MS9742-52	4.875	4.065-4.125	6.35
MS9742-11	.812	.079-.099	1.75	MS9742-32	2.375	1.565-1.625	3.52	MS9742-53	5.000	4.190-4.250	6.49
MS9742-12	.875	.079-.125	1.82	MS9742-33	2.500	1.690-1.750	3.66	MS9742-54	5.125	4.315-4.375	6.63
MS9742-13	.938	.128-.188	1.89	MS9742-34	2.625	1.815-1.875	3.80	MS9742-55	5.250	4.440-4.500	6.78
MS9742-14	1.000	.190-.250	1.96	MS9742-35	2.750	1.940-2.000	3.94	MS9742-56	5.375	4.565-4.625	6.92
MS9742-15	1.062	.252-.312	2.03	MS9742-36	2.875	2.065-2.125	4.08	MS9742-57	5.500	4.690-4.750	7.06
MS9742-16	1.125	.315-.375	2.10	MS9742-37	3.000	2.190-2.250	4.23	MS9742-58	5.625	4.815-4.875	7.20
MS9742-17	1.188	.378-.438	2.17	MS9742-38	3.125	2.315-2.375	4.37	MS9742-59	5.750	4.940-5.000	7.34
MS9742-18	1.250	.440-.500	2.24	MS9742-39	3.250	2.440-2.500	4.51	MS9742-60	5.875	5.065-5.125	7.48
MS9742-19	1.312	.502-.562	2.31	MS9742-40	3.375	2.565-2.625	4.65	MS9742-61	6.000	5.190-5.250	7.62
MS9742-20	1.375	.565-.625	2.39	MS9742-41	3.500	2.690-2.750	4.79				
MS9742-21	1.438	.628-.688	2.46	MS9742-42	3.625	2.815-2.875	4.93				