

LIGHTENING HOLE REQUIREMENTS UPDATED PER LATEST AS1132. GENERAL NOTES UPDATED TO CURRENT E-25 PROCEDURES.

NOTICE

THE INITIAL SAE PUBLICATION OF THIS DOCUMENT WAS TAKEN DIRECTLY FROM U.S. MILITARY STANDARD MS9697A, NOTICE 1. THIS SAE STANDARD MAY RETAIN THE SAME PART NUMBERS ESTABLISHED BY THE ORIGINAL MILITARY DOCUMENT.

ANY REQUIREMENTS ASSOCIATED WITH QUALIFIED PRODUCTS LISTS (QPL'S) MAY CONTINUE TO BE MANDATORY FOR DoD CONTRACTS. REQUIREMENTS RELATING TO QPL'S HAVE NOT BEEN ADOPTED BY SAE FOR THIS STANDARD AND ARE NOT PART OF THIS SAE DOCUMENT.

SAE reviews each technical report at least every five years at which time it may be revised, reaffirmed, stabilized, or cancelled. SAE invites your written comments and suggestions. This report is published by SAE to advance the state of technical and engineering sciences. The use of this report is entirely voluntary, and its applicability and suitability for any particular use, including any patent infringement arising therefrom, is the sole responsibility of the user."

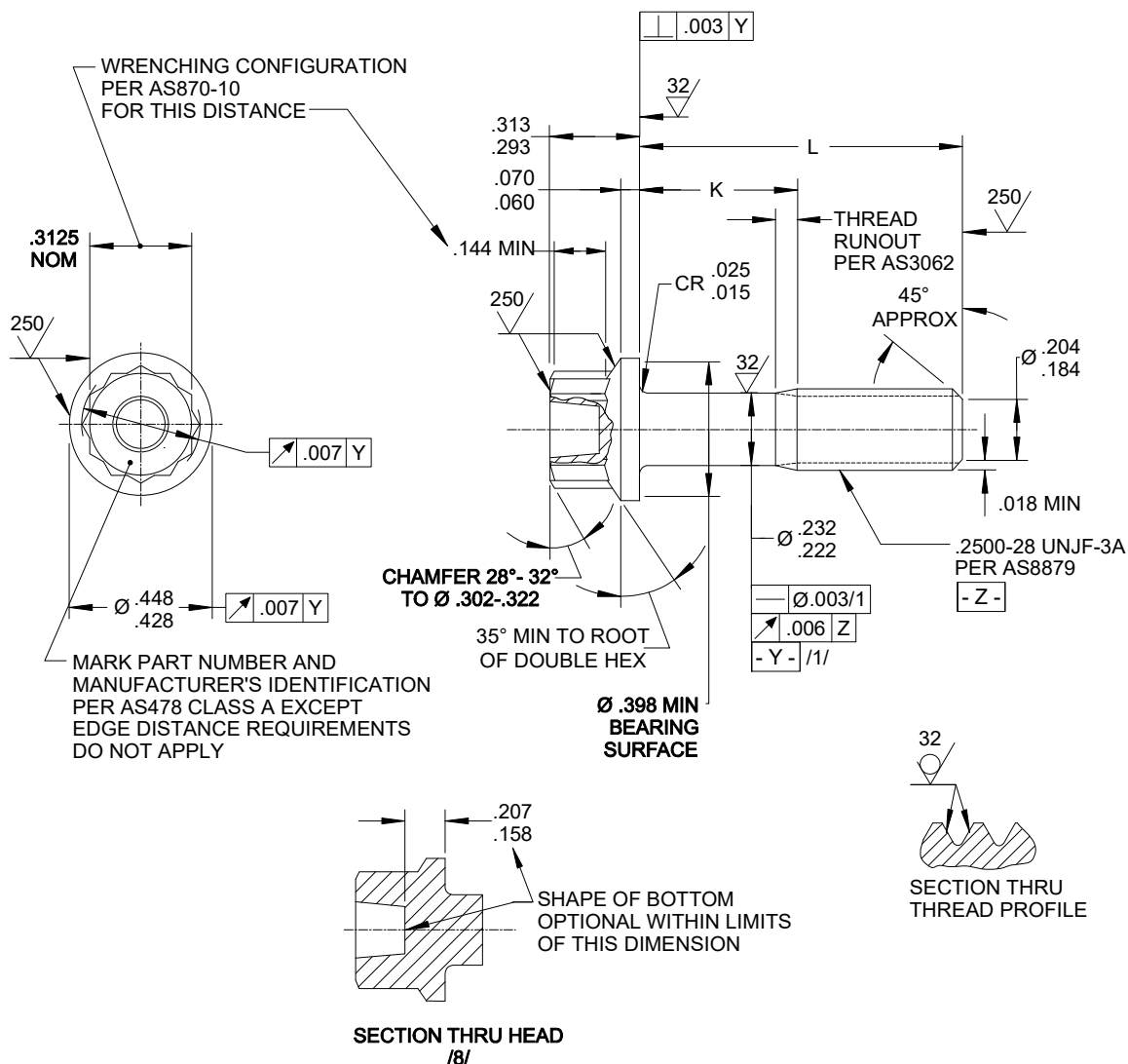
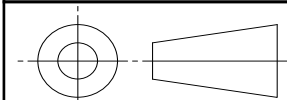


FIGURE 1 - BOLT

For more information on this standard, visit
<https://www.sae.org/standards/content/AS9697F/>

THIRD ANGLE PROJECTION



CUSTODIAN: E-25

PROCUREMENT SPECIFICATION: AS7471 /3/



AEROSPACE STANDARD

BOLT, MACHINE - DOUBLE HEXAGON
EXTENDED WASHER HEAD, PD SHANK,
CORROSION- AND HEAT-RESISTANT STEEL,
UNS N07001, 165 KSI MIN. .2500-28 UNJF-3A

AS9697™
SHEET 1 OF 3

REV.
F

Documents

TABLE 1 - PART NUMBERS AND DIMENSIONS

PART NO.	L	K	APPROX MASS LB/100	PART NO.	L	K	APPROX MASS LB/100
MS9697-04	.365- .385	.079- .099	1.06	MS9697-33	2.490-2.510	1.690-1.750	3.81
MS9697-05	.428- .448	.079- .099	1.33	MS9697-34	2.615-2.635	1.815-1.875	3.96
MS9697-06	.490- .510	.079- .099	1.41	MS9697-35	2.740-2.760	1.940-2.000	4.11
MS9697-07	.552- .572	.079- .099	1.48	MS9697-36	2.865-2.885	2.065-2.125	4.26
MS9697-08	.615- .635	.079- .099	1.56	MS9697-37	2.990-3.010	2.190-2.250	4.41
MS9697-09	.678- .698	.079- .099	1.63	MS9697-38	3.115-3.135	2.315-2.375	4.56
MS9697-10	.740- .760	.079- .099	1.71	MS9697-39	3.240-3.260	2.440-2.500	4.71
MS9697-11	.802- .822	.079- .099	1.78	MS9697-40	3.365-3.385	2.565-2.625	4.86
MS9697-12	.865- .885	.079- .125	1.86	MS9697-41	3.490-3.510	2.690-2.750	5.00
MS9697-13	.928- .948	.128- .188	1.93	MS9697-42	3.615-3.635	2.815-2.875	5.15
MS9697-14	.990-1.010	.190- .250	2.01	MS9697-43	3.740-3.760	2.940-3.000	5.30
MS9697-15	1.052-1.072	.252- .312	2.08	MS9697-44	3.865-3.885	3.065-3.125	5.45
MS9697-16	1.115-1.135	.315- .375	2.16	MS9697-45	3.990-4.010	3.190-3.250	5.60
MS9697-17	1.178-1.198	.378- .438	2.23	MS9697-46	4.115-4.135	3.315-3.375	5.75
MS9697-18	1.240-1.260	.440- .500	2.31	MS9697-47	4.240-4.260	3.440-3.500	5.90
MS9697-19	1.302-1.322	.502- .562	2.38	MS9697-48	4.365-4.385	3.565-3.625	6.05
MS9697-20	1.365-1.385	.565- .625	2.46	MS9697-49	4.490-4.510	3.690-3.750	6.20
MS9697-21	1.428-1.448	.628- .688	2.53	MS9697-50	4.615-4.635	3.815-3.875	6.35
MS9697-22	1.490-1.510	.690- .750	2.61	MS9697-51	4.740-4.760	3.940-4.000	6.50
MS9697-23	1.552-1.572	.752- .812	2.68	MS9697-52	4.865-4.885	4.065-4.125	6.65
MS9697-24	1.615-1.635	.815- .875	2.76	MS9697-53	4.990-5.010	4.190-4.250	6.80
MS9697-25	1.678-1.698	.878- .938	2.88	MS9697-54	5.115-5.135	4.315-4.375	6.95
MS9697-26	1.740-1.760	.940-1.000	2.91	MS9697-55	5.240-5.260	4.440-4.500	7.10
MS9697-27	1.802-1.822	1.002-1.062	2.98	MS9697-56	5.365-5.385	4.565-4.625	7.25
MS9697-28	1.865-1.885	1.065-1.125	3.06	MS9697-57	5.490-5.510	4.690-4.750	7.40
MS9697-29	1.990-2.010	1.190-1.250	3.21	MS9697-58	5.615-5.635	4.815-4.875	7.55
MS9697-30	2.115-2.135	1.315-1.375	3.36	MS9697-59	5.740-5.760	4.940-5.000	7.70
MS9697-31	2.240-2.260	1.440-1.500	3.51	MS9697-60	5.865-5.885	5.065-5.125	7.85
MS9697-32	2.365-2.385	1.565-1.625	3.66	MS9697-61	5.990-6.010	5.190-5.250	8.00



AEROSPACE STANDARD

BOLT, MACHINE - DOUBLE HEXAGON
EXTENDED WASHER HEAD, PD SHANK,
CORROSION- AND HEAT-RESISTANT STEEL,
UNS N07001, 165 KSI MIN, .2500-28 UNJF-3A

AS9697™
SHEET 2 OF 3

**REV.
F**



Documents

Document Sharing Hub