

RATIONALE

LIMITED SCOPE REVISION. DELETE TEXT OF DRAWING NOTE 4 AND REPLACE WITH SILVER PLATE REQUIREMENT PER MS9578.

NOTICE

THE INITIAL SAE PUBLICATION OF THIS DOCUMENT WAS TAKEN DIRECTLY FROM THE U.S. MILITARY STANDARD MS9578D, AMENDMENT 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 THE SAE FOR THIS STANDARD AND ARE NOT PART OF THIS SAE DOCUMENT.

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AS9578™

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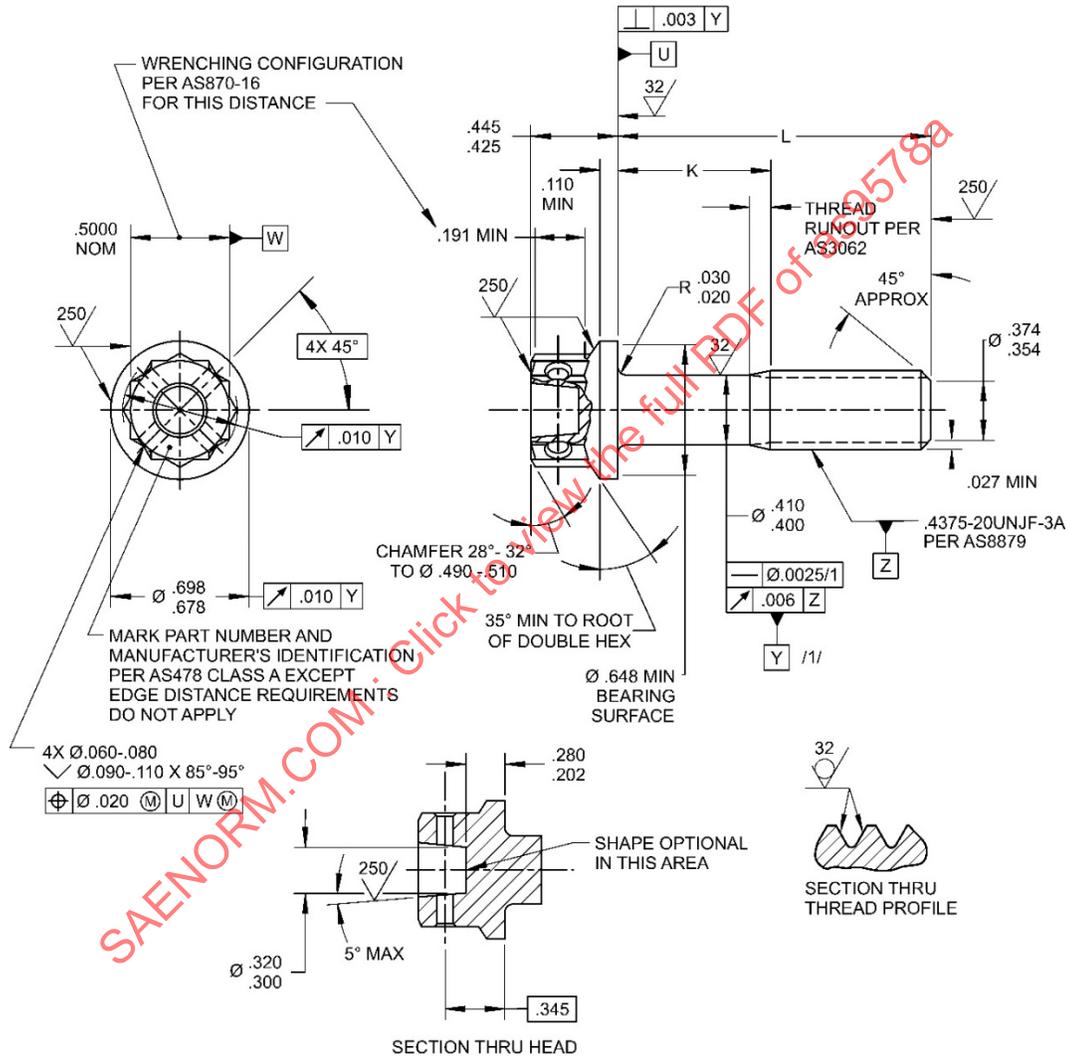
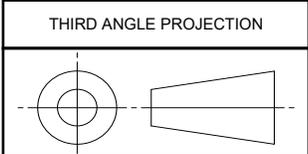


FIGURE 1 - BOLT

For more information on this standard, visit
<https://www.sae.org/standards/content/AS9578A>



CUSTODIAN: E-25

PROCUREMENT SPECIFICATION: AS7477



AEROSPACE STANDARD

BOLT, MACHINE - DOUBLE HEXAGON,
 EXTENDED WASHER HEAD, DRILLED, PD SHANK,
 UNS S66286, SILVER PLATED, .4375-20UNJF-3A

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 SHEET 1 OF 3

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TABLE 1 - PART NUMBERS AND DIMENSIONS

PART NUMBER	L	K	APPROX MASS LB/100	PART NUMBER	L	K	APPROX MASS LB/100
MS9578-04	.678- .698	.105- .125	5.05	MS9578-34	3.365-3.385	2.190-2.250	15.06
MS9578-05	.740- .760	.105- .125	5.28	MS9578-35	3.490-3.510	2.315-2.375	15.52
MS9578-06	.802- .822	.105- .125	5.51	MS9578-36	3.615-3.635	2.440-2.500	15.99
MS9578-07	.865- .885	.105- .125	5.74	MS9578-37	3.740-3.760	2.565-2.625	16.45
MS9578-08	.928- .948	.105- .125	5.97	MS9578-38	3.865-3.885	2.690-2.750	16.92
MS9578-09	.990-1.010	.105- .125	6.20	MS9578-39	3.990-4.010	2.815-2.875	17.39
MS9578-10	1.052-1.072	.105- .125	6.43	MS9578-40	4.115-4.135	2.940-3.000	17.85
MS9578-11	1.115-1.135	.105- .125	6.67	MS9578-41	4.240-4.260	3.065-3.125	18.31
MS9578-12	1.178-1.198	.105- .125	6.90	MS9578-42	4.365-4.385	3.190-3.250	18.75
MS9578-13	1.240-1.260	.105- .125	7.13	MS9578-43	4.490-4.510	3.315-3.375	19.31
MS9578-14	1.302-1.322	.128- .188	7.36	MS9578-44	4.615-4.635	3.440-3.500	19.66
MS9578-15	1.365-1.385	.190- .250	7.59	MS9578-45	4.740-4.760	3.565-3.625	20.12
MS9578-16	1.428-1.448	.252- .312	7.82	MS9578-46	4.865-4.885	3.690-3.750	20.59
MS9578-17	1.490-1.510	.315- .375	8.05	MS9578-47	4.990-5.010	3.815-3.875	21.05
MS9578-18	1.552-1.572	.378- .438	8.27	MS9578-48	5.115-5.135	3.940-4.000	21.51
MS9578-19	1.615-1.635	.440- .500	8.50	MS9578-49	5.240-5.260	4.065-4.125	21.97
MS9578-20	1.678-1.698	.502- .562	8.73	MS9578-50	5.365-5.385	4.190-4.250	22.33
MS9578-21	1.740-1.760	.565- .625	8.96	MS9578-51	5.490-5.510	4.315-4.375	22.80
MS9578-22	1.865-1.885	.690- .750	9.43	MS9578-52	5.615-5.635	4.440-4.500	23.27
MS9578-23	1.990-2.010	.815- .875	9.90	MS9578-53	5.740-5.760	4.565-4.625	23.74
MS9578-24	2.115-2.135	.940-1.000	10.38	MS9578-54	5.865-5.885	4.690-4.750	24.21
MS9578-25	2.240-2.260	1.065-1.125	10.85	MS9578-55	5.990-6.010	4.815-4.875	24.67
MS9578-26	2.365-2.385	1.190-1.250	11.32	MS9578-56	1.802-1.822	.628- .688	9.19
MS9578-27	2.490-2.510	1.315-1.375	11.79	MS9578-57	1.928-1.948	.752- .812	9.66
MS9578-28	2.615-2.635	1.440-1.500	12.26				
MS9578-29	2.740-2.760	1.565-1.625	12.72				
MS9578-30	2.865-2.885	1.690-1.750	13.19				
MS9578-31	2.990-3.010	1.815-1.875	13.66				
MS9578-32	3.115-3.135	1.940-2.000	14.12				
MS9578-33	3.240-3.260	2.065-2.125	14.59				

NOTES:

- 1/1/ FOR PART NUMBERS MS9578-04 THRU MS9578-21, DATUM Z (THREAD PD) SHALL REPLACE DATUM Y.
2. MATERIAL: CORROSION AND HEAT RESISTANT STEEL PER AMS5731 (COMPOSITION SIMILAR TO UNS S66286).
3. PROCUREMENT SPECIFICATION: AS7477.
4. FINISH: SILVER PLATE PER AMS2414 .0002 TO .0006 THICK AT THREAD PD. DIMENSIONS SPECIFIED ARE AFTER PLATING. PD MAY BE REDUCED .0012 MAXIMUM BEFORE PLATING.
5. FLUORESCENT PENETRANT INSPECTION PER ASTM E1417/E1417M TYPE I, SENSITIVITY LEVEL 2 MIN BEFORE PLATING.
6. SURFACE TEXTURE: SYMBOLS PER ASME Y14.36M. REQUIREMENTS PER ASME B46.1. UNLESS OTHERWISE SPECIFIED, SURFACES TO BE 125 MICROINCHES Ra.
7. BREAK SHARP EDGES .003 TO .015, UNLESS OTHERWISE SPECIFIED.
8. DIMENSIONS ARE IN INCHES.
9. DIMENSIONING AND TOLERANCING PER ASME Y14.5-2018.
10. UNLESS OTHERWISE SPECIFIED, PART INVENTORY MANUFACTURED TO PREVIOUS REVISIONS OF THE APPLICABLE DRAWING OR SPECIFICATION MAY BE PROCURED AND USED UNTIL STOCK IS DEPLETED.
11. DO NOT USE UNASSIGNED PART NUMBERS.

	AEROSPACE STANDARD	AS9578™ SHEET 2 OF 3	REV. A
	BOLT, MACHINE - DOUBLE HEXAGON, EXTENDED WASHER HEAD, DRILLED, PD SHANK, UNS S66286, SILVER PLATED, .4375-20UNJF-3A		