

REV. C

AS9895™

FEDERAL SUPPLY CLASS  
5306

RATIONALE

FIVE-YEAR REVIEW. UPDATE TO ASME Y14.5-2018. REVISE DATUM IDENTIFICATIONS LETTERS TO AS1132, REVISE LEAD CHAMFER TO AS1132. REVISE FILLET RADIUS TO "CR." ADD "COMPOSITION SIMILAR TO" TO NOTE 2.

NOTICE

THE INITIAL SAE PUBLICATION OF THIS DOCUMENT WAS TAKEN DIRECTLY FROM U.S. MILITARY STANDARD MS9895, 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 THE SAE FOR THIS STANDARD AND ARE NOT PART OF THIS SAE DOCUMENT.

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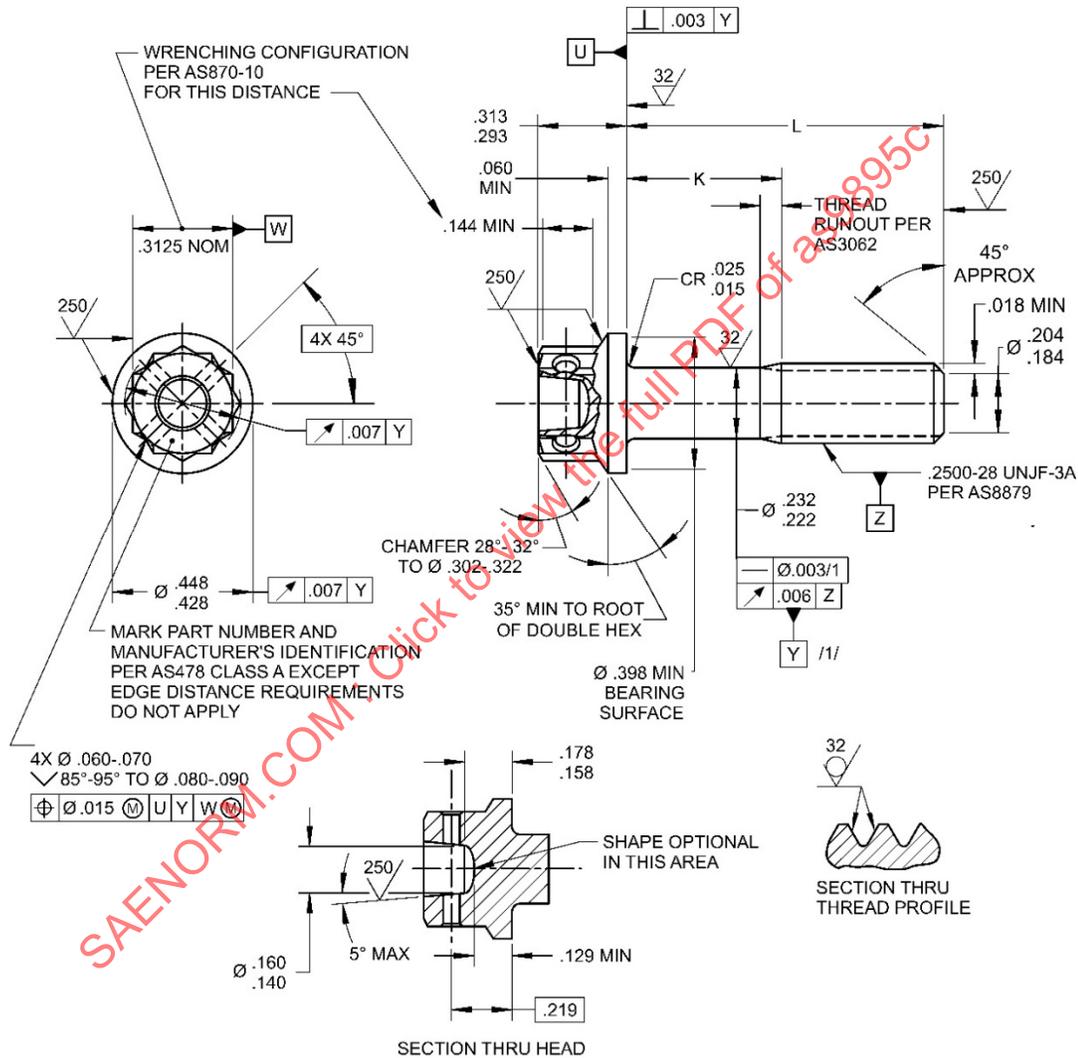
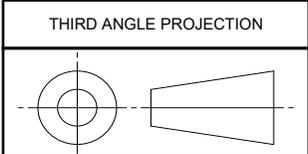


FIGURE 1 - BOLT

For more information on this standard, visit <https://www.sae.org/standards/content/AS9895C/>



CUSTODIAN: E-25

PROCUREMENT SPECIFICATION: AS7470 /3/



AEROSPACE STANDARD

BOLT, MACHINE - DOUBLE HEXAGON EXTENDED WASHER HEAD, PD SHANK, DRILLED, CORROSION RESISTANT STEEL (UNS S41800), .2500-28 UNJF-3A

AS9895™  
SHEET 1 OF 3

REV. C

ISSUED 2000-08 REAFFIRMED 2005-05 REVISED 2023-04

**TABLE 1 - PART NUMBERS, DIMENSIONS L, K, AND APPROX MASS**

PART NUMBER	L	K	APPROX MASS LB/100	PART NUMBER	L	K	APPROX MASS LB/100
MS9895-04	.365- .385	.079- .099	1.26	MS9895-34	2.490-2.510	1.690-1.750	3.70
MS9895-05	.428- .448	.079- .099	1.33	MS9895-35	2.615-2.635	1.815-1.875	3.85
MS9895-06	.490- .510	.079- .099	1.41	MS9895-36	2.740-2.760	1.940-2.000	3.98
MS9895-07	.552- .572	.079- .099	1.49	MS9895-37	2.865-2.885	2.065-2.125	4.14
MS9895-08	.615- .635	.079- .099	1.56	MS9895-38	2.990-3.010	2.190-2.250	4.28
MS9895-09	.678- .698	.079- .099	1.63	MS9895-39	3.115-3.135	2.315-2.375	4.42
MS9895-10	.740- .760	.079- .099	1.70	MS9895-40	3.240-3.260	2.440-2.500	4.56
MS9895-11	.802- .822	.079- .099	1.77	MS9895-41	3.365-3.385	2.565-2.625	4.71
MS9895-12	.865- .885	.079- .125	1.84	MS9895-42	3.490-3.510	2.690-2.750	4.84
MS9895-13	.928- .948	.128- .188	1.91	MS9895-43	3.615-3.635	2.815-2.875	4.98
MS9895-14	.990-1.010	.190- .250	1.98	MS9895-44	3.740-3.760	2.940-3.000	5.13
MS9895-15	1.052-1.072	.252- .312	2.05	MS9895-45	3.865-3.885	3.065-3.125	5.28
MS9895-16	1.115-1.135	.315- .375	2.12	MS9895-46	3.990-4.010	3.190-3.250	5.42
MS9895-17	1.178-1.198	.378- .438	2.19	MS9895-47	4.115-4.135	3.315-3.375	5.55
MS9895-18	1.240-1.260	.440- .500	2.27	MS9895-48	4.240-4.260	3.440-3.500	5.70
MS9895-19	1.302-1.322	.502- .562	2.33	MS9895-49	4.365-4.385	3.565-3.625	5.85
MS9895-20	1.365-1.385	.565- .625	2.41	MS9895-50	4.490-4.510	3.690-3.750	6.00
MS9895-21	1.428-1.448	.628- .688	2.49	MS9895-51	4.615-4.635	3.815-3.875	6.13
MS9895-22	1.490-1.510	.690- .750	2.56	MS9895-52	4.740-4.760	3.940-4.000	6.28
MS9895-23	1.552-1.572	.752- .812	2.63	MS9895-53	4.865-4.885	4.065-4.125	6.43
MS9895-24	1.615-1.635	.815- .875	2.70	MS9895-54	4.990-5.010	4.190-4.250	6.57
MS9895-25	1.678-1.698	.878- .938	2.77	MS9895-55	5.115-5.135	4.315-4.375	6.71
MS9895-26	1.740-1.760	.940-1.000	2.84	MS9895-56	5.240-5.260	4.440-4.500	6.86
MS9895-27	1.802-1.822	1.002-1.062	2.91	MS9895-57	5.365-5.385	4.565-4.625	7.00
MS9895-28	1.865-1.885	1.065-1.125	2.98	MS9895-58	5.490-5.510	4.690-4.750	7.13
MS9895-29	1.928-1.948	1.128-1.188	3.05	MS9895-59	5.615-5.635	4.815-4.875	7.28
MS9895-30	1.990-2.010	1.190-1.250	3.12	MS9895-60	5.740-5.760	4.940-5.000	7.43
MS9895-31	2.115-2.135	1.315-1.375	3.27	MS9895-61	5.865-5.885	5.065-5.125	7.57
MS9895-32	2.240-2.260	1.440-1.500	3.41	MS9895-62	5.990-6.010	5.190-5.250	7.72
MS9895-33	2.365-2.385	1.565-1.625	3.56				

REQUIREMENTS:

- 1/1/ FOR PART NUMBERS MS9895-04 THROUGH MS9895-14, DATUM Z (THREAD PD) SHALL REPLACE DATUM Y.
2. MATERIAL: CORROSION AND HEAT RESISTANT STEEL IN ACCORDANCE WITH AMS5616 (SIMILAR TO UNS S41800).
- 3/ PROCUREMENT SPECIFICATION: AS7470, EXCEPT HEAD SHALL BE UPSET.
4. HEAD TO SHANK FILLET SHALL BE COLD ROLLED AFTER HEAT TREATMENT. COLD ROLLING SHALL BE SUFFICIENT TO REMOVE ALL VISUAL EVIDENCE OF GRINDING OR TOOL MARKS.
5. HARDNESS: ROCKWELL 32-38 HRC.
6. SURFACE TEXTURE: SYMBOLS PER ASME Y14.36M. REQUIREMENTS PER ASME B46.1. UNLESS OTHERWISE SPECIFIED, SURFACES TO BE 125 MICROINCHES Ra.
7. DIMENSIONING AND TOLERANCING: ASME Y14.5-2018.
8. MAGNETIC PARTICLE INSPECTION PER ASTM E1444/E1444M.
9. BREAK SHARP EDGES .003 TO .015, UNLESS OTHERWISE SPECIFIED.

	<b>AEROSPACE STANDARD</b>	<b>AS9895™</b> SHEET 2 OF 3	<b>REV.</b> <b>C</b>
	BOLT, MACHINE - DOUBLE HEXAGON EXTENDED WASHER HEAD, PD SHANK, DRILLED, CORROSION RESISTANT STEEL (UNS S41800), .2500-28 UNJF-3A		