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REV.
B

AS9286

FEDERAL SUPPLY CLASS
5306

RATIONALE

ADD Ø TO STRAIGHTNESS FEATURE CONTROL FRAME, ADD MARKING EDGE DISTANCE NOTE, AND GENERAL EDITORIAL UPDATE.

NOTICE

THE INITIAL SAE PUBLICATION OF THIS DOCUMENT WAS TAKEN DIRECTLY FROM U.S. MILITARY STANDARD MS9286A, NOTICE 1. THIS SAE STANDARD RETAINS THE SAME PART NUMBERS ESTABLISHED BY THE ORIGINAL MILITARY DOCUMENT.

ANY REQUIREMENTS ASSOCIATED WITH QUALIFIED PRODUCTS LISTS (QPL) 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.

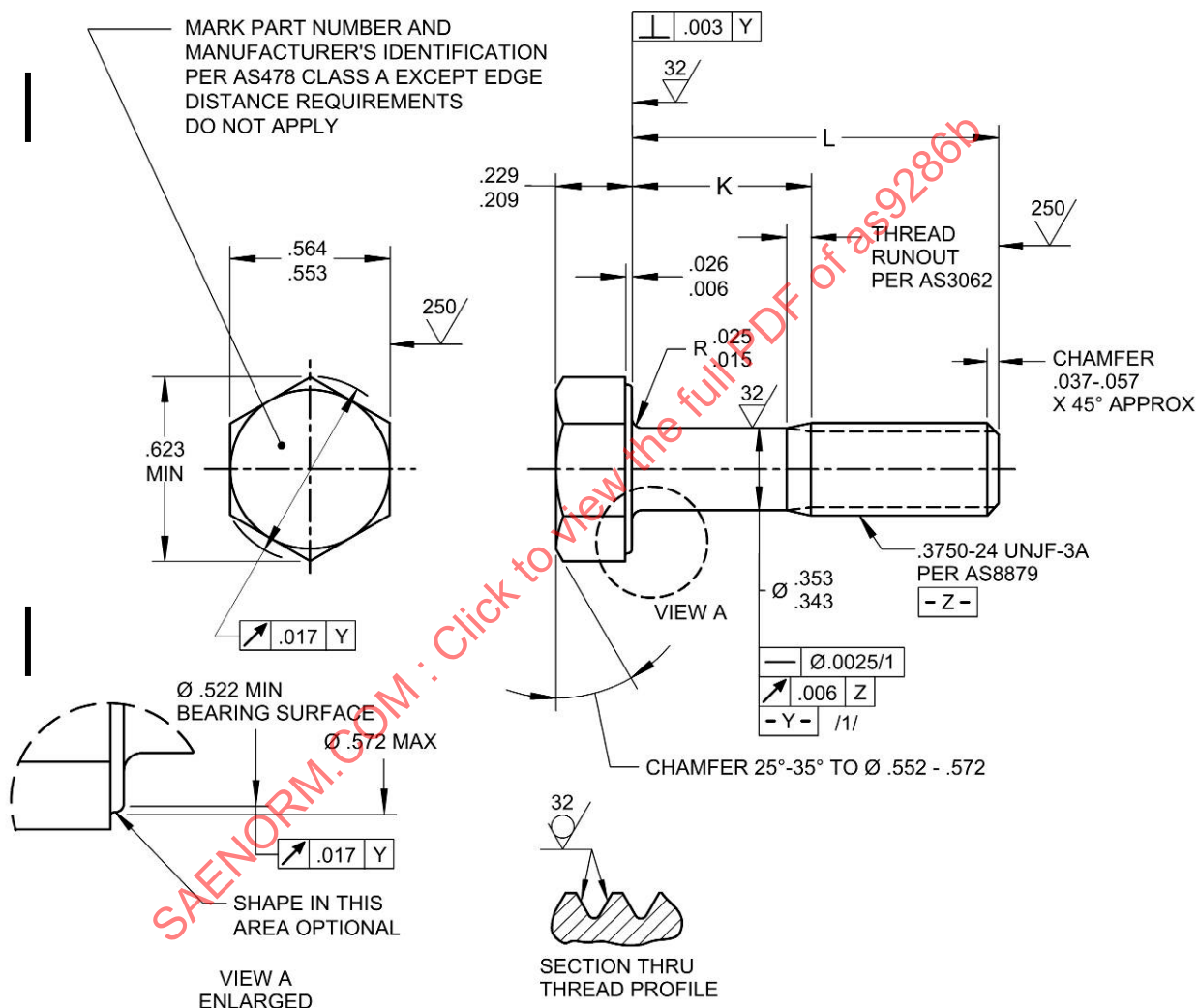
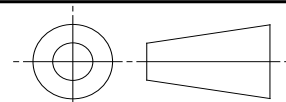


FIGURE 1 - BOLT

SAE values your input. To provide feedback on this Technical Report, please visit <http://www.sae.org/technical/standards/AS9286B>

THIRD ANGLE PROJECTION



CUSTODIAN: E-25

PROCUREMENT SPECIFICATION: AS7452 /3/



AEROSPACE STANDARD

BOLT, MACHINE - HEXAGON HEAD, PD SHANK,
BLACK OXIDE, STEEL UNS G87400, 125 KSI MIN,
.3750-24 UNJF-3A

AS9286
SHEET 1 OF 3

REV.
B

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ISSUED 1999-12 REAFFIRMED 2004-07 REVISED 2015-06

TABLE 1 - PART NUMBERS AND DIMENSIONS

PART NO.	L	K	APPROX. MASS LB/100	PART NO.	L	K	APPROX. MASS LB/100
MS9286-04	.615-.635	.088-.108	3.35	MS9286-31	2.865-2.885	1.815-1.875	9.41
MS9286-05	.678-.698	.088-.108	3.52	MS9286-32	2.990-3.010	1.940-2.000	9.74
MS9286-06	.740-.760	.088-.108	3.69	MS9286-33	3.115-3.135	2.065-2.125	10.08
MS9286-07	.802-.822	.088-.108	3.86	MS9286-34	3.240-3.260	2.190-2.250	10.41
MS9286-08	.865-.885	.088-.108	4.03	MS9286-35	3.365-3.385	2.315-2.375	10.75
MS9286-09	.928-.948	.088-.108	4.20	MS9286-36	3.490-3.510	2.440-2.500	11.09
MS9286-10	.990-1.010	.088-.108	4.37	MS9286-37	3.615-3.635	2.565-2.625	11.42
MS9286-11	1.052-1.072	.088-.108	4.53	MS9286-38	3.740-3.760	2.690-2.750	11.76
MS9286-12	1.115-1.135	.088-.125	4.70	MS9286-39	3.865-3.885	2.815-2.875	12.09
MS9286-13	1.178-1.198	.128-.188	4.87	MS9286-40	3.990-4.010	2.940-3.000	12.43
MS9286-14	1.240-1.260	.190-.250	5.04	MS9286-41	4.115-4.135	3.065-3.125	12.77
MS9286-15	1.302-1.322	.252-.312	5.21	MS9286-42	4.240-4.260	3.190-3.250	13.10
MS9286-16	1.365-1.385	.315-.375	5.37	MS9286-43	4.365-4.385	3.315-3.375	13.44
MS9286-17	1.428-1.448	.378-.438	5.54	MS9286-44	4.490-4.510	3.440-3.500	13.77
MS9286-18	1.490-1.510	.440-.500	5.71	MS9286-45	4.615-4.635	3.565-3.625	14.11
MS9286-19	1.552-1.572	.502-.562	5.88	MS9286-46	4.740-4.760	3.690-3.750	14.45
MS9286-20	1.615-1.635	.565-.625	6.05	MS9286-47	4.865-4.885	3.815-3.875	14.78
MS9286-21	1.678-1.698	.628-.688	6.21	MS9286-48	4.990-5.010	3.940-4.000	15.12
MS9286-22	1.740-1.760	.690-.750	6.38	MS9286-49	5.115-5.135	4.065-4.125	15.45
MS9286-23	1.865-1.885	.815-.875	6.72	MS9286-50	5.240-5.260	4.190-4.250	15.79
MS9286-24	1.990-2.010	.940-1.000	7.05	MS9286-51	5.365-5.385	4.315-4.375	16.13
MS9286-25	2.115-2.135	1.065-1.125	7.39	MS9286-52	5.490-5.510	4.440-4.500	16.46
MS9286-26	2.240-2.260	1.190-1.250	7.73	MS9286-53	5.615-5.635	4.565-4.625	16.80
MS9286-27	2.365-2.385	1.315-1.375	8.06	MS9286-54	5.740-5.760	4.690-4.750	17.13
MS9286-28	2.490-2.510	1.440-1.500	8.40	MS9286-55	5.865-5.885	4.815-4.875	17.47
MS9286-29	2.615-2.635	1.565-1.625	8.73	MS9286-56	5.990-6.010	4.940-5.000	17.81
MS9286-30	2.740-2.760	1.690-1.750	9.07				

NOTES:

- /1/ FOR PARTS NUMBERS MS9286-04 THRU MS9286-21 PD DATUM **Z** SHALL REPLACE DATUM **Y**.
2. MATERIAL: STEEL PER AMS6322 (UNS G87400).
- /3/ PROCUREMENT SPECIFICATION: AS7452, 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. FINISH: BLACK OXIDE TREATMENT PER AMS2485.
6. MAGNETIC PARTICLE INSPECTION PER ASTM E1444.
7. SURFACE TEXTURE: SYMBOLS PER ASME Y14.36M. REQUIREMENTS PER ASME B46.1. UNLESS OTHERWISE SPECIFIED, SURFACES TO BE 125 MICROINCHES Ra.
8. BREAK SHARP EDGES .003 TO .015, UNLESS OTHERWISE SPECIFIED.
9. DIMENSIONS ARE IN INCHES.
10. DIMENSIONING AND TOLERANCING PER ANSI Y14.5M-1982 (ASME PUBLICATION).
11. DO NOT USE UNASSIGNED PART NUMBERS.

	AEROSPACE STANDARD	AS9286 SHEET 2 OF 3	REV. B
	BOLT, MACHINE - HEXAGON HEAD, PD SHANK, BLACK OXIDE, STEEL UNS G87400, 125 KSI MIN, .3750-24 UNJF-3A		