

RATIONALE

UPDATE TO ASME Y14.5-2018. REVISE LEAD CHAMFER TO AS1132. REVISE FILLET RADIUS TO "CR." GENERAL EDITORIAL REVISIONS.

NOTICE

THE INITIAL SAE PUBLICATION OF THIS DOCUMENT WAS TAKEN DIRECTLY FROM U.S. MILITARY STANDARD MS9576D, AMENDMENT 1, 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 DOCUMENT.

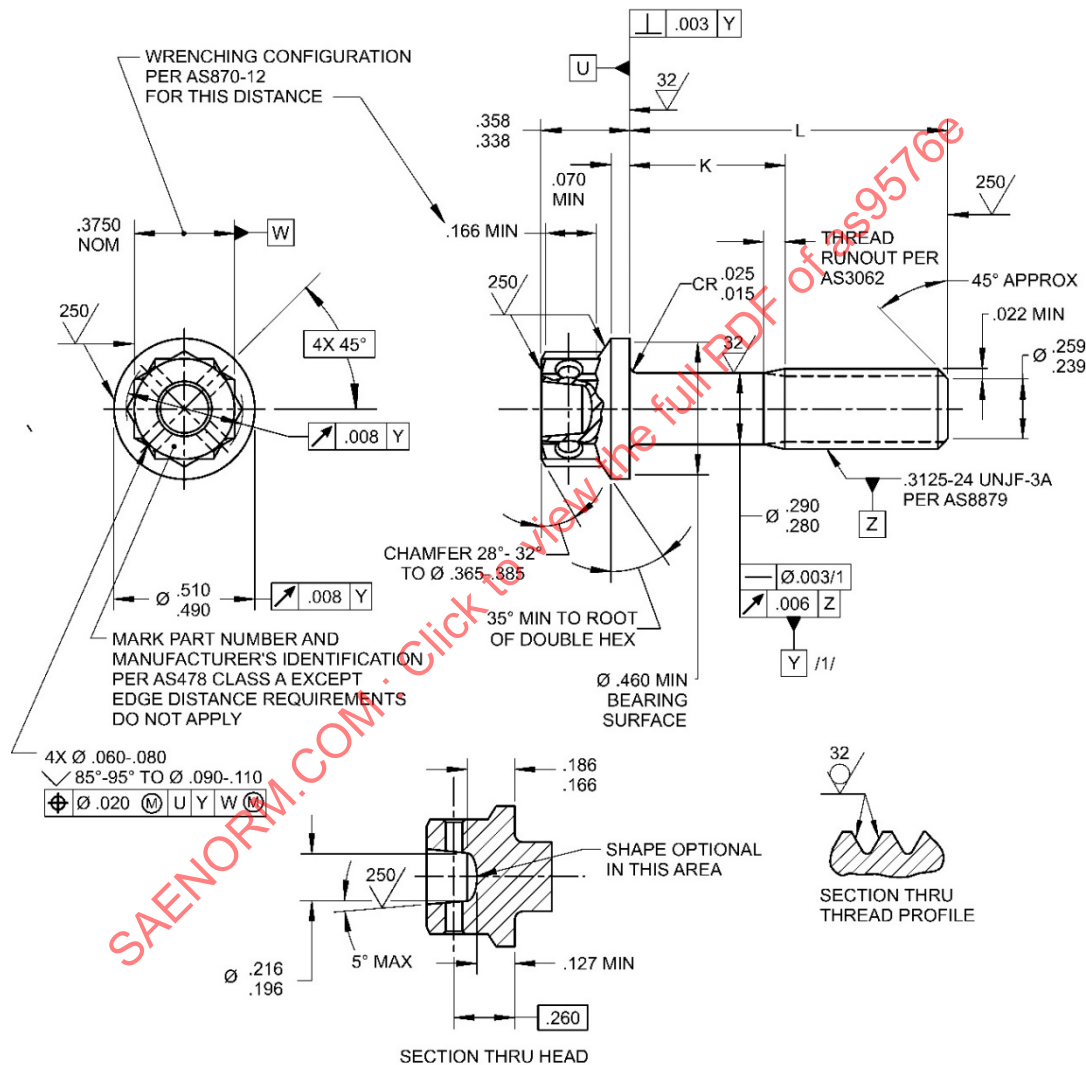
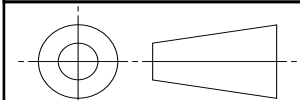


FIGURE 1 - BOLT

For more information on this standard, visit
<https://www.sae.org/standards/content/AS9576E/>

THIRD ANGLE PROJECTION



CUSTODIAN: E-25

PROCUREMENT SPECIFICATION: AS7477



AEROSPACE STANDARD

BOLT, MACHINE - DOUBLE HEXAGON EXTENDED
WASHER HEAD, DRILLED, PD SHANK, SILVER PLATED,
CORROSION AND HEAT RESISTANT STEEL, UNS S66286,
130 KSI MIN. .3125-24 UNJF-3A

AS9576™
SHEET 1 OF 3

REV.
E

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TABLE 1 - PART NUMBERS AND DIMENSIONS

PART NO.	L	K	APPROX MASS LB/100	PART NO.	L	K	APPROX MASS LB/100
MS9576-04	.490- .510	.088- .108	2.06	MS9576-32	2.740-2.760	1.815-1.875	6.13
MS9576-05	.552- .572	.088- .108	2.17	MS9576-33	2.865-2.885	1.940-2.000	6.36
MS9576-06	.615- .635	.088- .108	2.28	MS9576-34	2.990-3.010	2.065-2.125	6.58
MS9576-07	.678- .698	.088- .108	2.39	MS9576-35	3.115-3.135	2.190-2.250	6.80
MS9576-08	.740- .760	.088- .108	2.51	MS9576-36	3.240-3.260	2.315-2.375	7.03
MS9576-09	.802- .822	.088- .108	2.62	MS9576-37	3.365-3.385	2.440-2.500	7.27
MS9576-10	.865- .885	.088- .108	2.73	MS9576-38	3.490-3.510	2.565-2.625	7.50
MS9576-11	.928- .948	.088- .108	2.85	MS9576-39	3.615-3.635	2.690-2.750	7.73
MS9576-12	.990-1.010	.088- .125	2.96	MS9576-40	3.740-3.760	2.815-2.875	7.95
MS9576-13	1.052-1.072	.128- .188	3.07	MS9576-41	3.865-3.885	2.940-3.000	8.17
MS9576-14	1.115-1.135	.190- .250	3.19	MS9576-42	3.990-4.010	3.065-3.125	8.40
MS9576-15	1.178-1.198	.252- .312	3.30	MS9576-43	4.115-4.135	3.190-3.250	8.63
MS9576-16	1.240-1.260	.315- .375	3.41	MS9576-44	4.240-4.260	3.315-3.375	8.86
MS9576-17	1.302-1.322	.378- .438	3.52	MS9576-45	4.365-4.385	3.440-3.500	9.08
MS9576-18	1.365-1.385	.440- .500	3.64	MS9576-46	4.490-4.510	3.565-3.625	9.30
MS9576-19	1.428-1.448	.502- .562	3.75	MS9576-47	4.615-4.635	3.690-3.750	9.52
MS9576-20	1.490-1.510	.565- .625	3.87	MS9576-48	4.740-4.760	3.815-3.875	9.74
MS9576-21	1.552-1.572	.628- .688	3.98	MS9576-49	4.865-4.885	3.940-4.000	9.95
MS9576-22	1.615-1.635	.690- .750	4.10	MS9576-50	4.990-5.010	4.065-4.125	10.17
MS9576-23	1.678-1.698	.752- .812	4.22	MS9576-51	5.115-5.135	4.190-4.250	10.40
MS9574-24	1.740-1.760	.815- .875	4.33	MS9576-52	5.240-5.260	4.315-4.375	10.63
MS9576-59	1.802-1.822	.878- .938	4.44	MS9576-53	5.365-5.385	4.440-4.500	10.86
MS9576-25	1.865-1.885	.940-1.000	4.55	MS9576-54	5.490-5.510	4.565-4.625	11.10
MS9576-60	1.928-1.948	1.002-1.062	4.66	MS9576-55	5.615-5.635	4.690-4.750	11.33
MS9576-26	1.990-2.010	1.065-1.125	4.77	MS9576-56	5.740-5.760	4.815-4.875	11.56
MS9576-27	2.115-2.135	1.190-1.250	5.00	MS9576-57	5.865-5.885	4.940-5.000	11.78
MS9576-28	2.240-2.260	1.315-1.375	5.23	MS9576-58	5.990-6.010	5.065-5.125	12.00
MS9576-29	2.365-2.385	1.440-1.500	5.45				
MS9576-30	2.490-2.510	1.565-1.625	5.67				
MS9576-31	2.615-2.635	1.690-1.750	5.90				

NOTES:

- 1/ FOR PART NUMBERS MS9576-04 THROUGH MS9576-16, DATUM **Z** 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 AMS2411 .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 1, SENSITIVITY LEVEL 2 MINIMUM, 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 EDGES .003 TO .015, UNLESS OTHERWISE SPECIFIED.
8. DIMENSIONING AND TOLERANCING PER ASME Y14.5-2018.
9. DIMENSIONS ARE IN INCHES.

	AEROSPACE STANDARD	AS9576™ SHEET 2 OF 3	REV. E
	BOLT, MACHINE - DOUBLE HEXAGON EXTENDED WASHER HEAD, DRILLED, PD SHANK, SILVER PLATED, CORROSION AND HEAT RESISTANT STEEL, UNS S66286, 130 KSI MIN. .3125-24 UNJF-3A		