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REV.
F

AS9557™

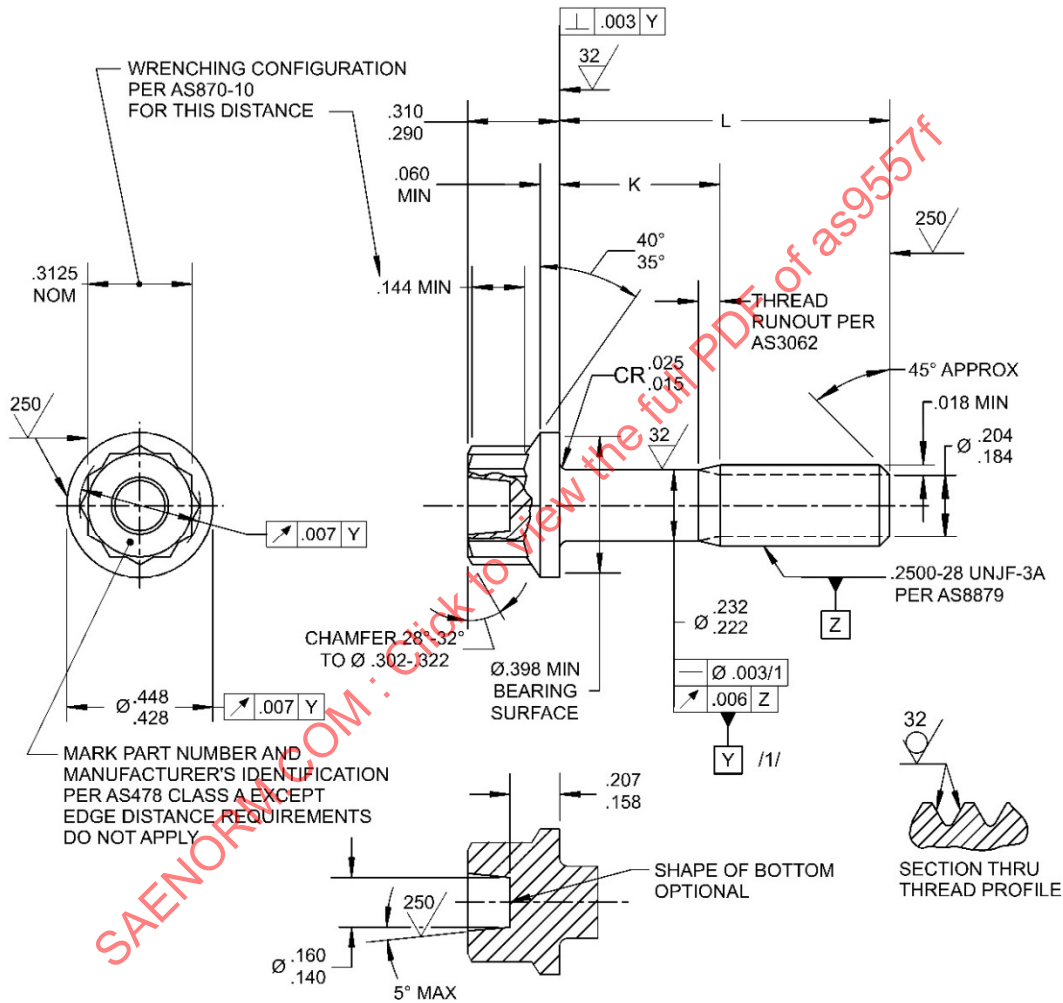
RATIONALE

FIVE-YEAR REVIEW. UPDATE TO ASME Y14.5-2018. REVISE HEAD TO SHANK FILLET RADIUS TO "CR." REVISE LEAD THREAD CHAMFER TO AS1132. REVISE LIGHTENING HOLE CONFIGURATION TO AS1132. IN NOTE 2, ADD "COMPOSITION SIMILAR TO" BEFORE UNS NUMBER. MINOR EDITORIAL UPDATES.

NOTICE

THE INITIAL SAE PUBLICATION OF THIS DOCUMENT WAS TAKEN DIRECTLY FROM U.S. MILITARY STANDARD MS9557E, AMENDMENT 2. 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.

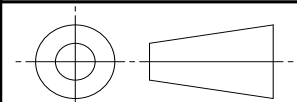


SECTION THRU HEAD

FIGURE 1 - BOLT

For more information on this standard, visit
<https://www.sae.org/standards/content/AS9557f/>

THIRD ANGLE PROJECTION



CUSTODIAN: E-25

PROCUREMENT SPECIFICATION: AS7477 /3/



AEROSPACE STANDARD

BOLT, MACHINE - DOUBLE HEXAGON EXTENDED
WASHER HEAD, CORROSION AND HEAT RESISTANT
STEEL, UNS S66286, UTS 130 KSI MIN, .2500-28 UNJF-3A

AS9557™
SHEET 1 OF 3

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

PART NUMBER	L	K	APPROX MASS LBF/100	PART NUMBER	L	K	APPROX MASS LBF/100
MS9557-04	.365-.385	.079-.099	1.14	MS9557-32	2.490-2.510	1.690-1.750	3.57
MS9557-05	.428-.448	.079-.099	1.21	MS9557-33	2.615-2.635	1.815-1.875	3.71
MS9557-06	.490-.510	.079-.099	1.29	MS9557-34	2.740-2.760	1.940-2.000	3.85
MS9557-07	.552-.572	.079-.099	1.37	MS9557-35	2.865-2.885	2.065-2.125	4.00
MS9557-08	.615-.635	.079-.099	1.44	MS9557-36	2.990-3.010	2.190-2.250	4.14
MS9557-09	.678-.698	.079-.099	1.51	MS9557-37	3.115-3.135	2.315-2.375	4.29
MS9557-10	.740-.760	.079-.099	1.58	MS9557-38	3.240-3.260	2.440-2.500	4.43
MS9557-11	.802-.822	.079-.099	1.65	MS9557-39	3.365-3.385	2.565-2.625	4.58
MS9557-12	.865-.885	.079-.125	1.72	MS9557-40	3.490-3.510	2.690-2.750	4.72
MS9557-13	.928-.948	.128-.188	1.79	MS9557-41	3.615-3.635	2.815-2.875	4.85
MS9557-14	.990-1.010	.190-.250	1.86	MS9557-42	3.740-3.760	2.940-3.000	4.99
MS9557-15	1.052-1.072	.252-.312	1.93	MS9557-43	3.865-3.885	3.065-3.125	5.13
MS9557-16	1.115-1.135	.315-.375	2.00	MS9557-44	3.990-4.010	3.190-3.250	5.27
MS9557-17	1.178-1.198	.378-.438	2.08	MS9557-45	4.115-4.135	3.315-3.375	5.42
MS9557-18	1.240-1.260	.440-.500	2.15	MS9557-46	4.240-4.260	3.440-3.500	5.60
MS9557-19	1.302-1.322	.502-.562	2.22	MS9557-47	4.365-4.385	3.565-3.625	5.71
MS9557-20	1.365-1.385	.565-.625	2.29	MS9557-48	4.490-4.510	3.690-3.750	5.85
MS9557-21	1.428-1.448	.628-.688	2.36	MS9557-49	4.615-4.635	3.815-3.875	6.00
MS9557-22	1.490-1.510	.690-.750	2.43	MS9557-50	4.740-4.760	3.940-4.000	6.14
MS9557-23	1.552-1.572	.752-.812	2.50	MS9557-51	4.865-4.885	4.065-4.125	6.29
MS9557-24	1.615-1.635	.815-.875	2.57	MS9557-52	4.990-5.010	4.190-4.250	6.43
MS9557-25	1.678-1.698	.878-.938	2.64	MS9557-53	5.115-5.135	4.315-4.375	6.58
MS9557-26	1.740-1.760	.940-1.000	2.72	MS9557-54	5.240-5.260	4.440-4.500	6.70
MS9557-61	1.802-1.822	1.002-1.062	2.79	MS9557-55	5.365-5.385	4.565-4.625	6.84
MS9557-27	1.865-1.885	1.065-1.125	2.86	MS9557-56	5.490-5.510	4.690-4.750	6.99
MS9557-62	1.928-1.948	1.128-1.188	2.93	MS9557-57	5.615-5.635	4.815-4.875	7.13
MS9557-28	1.990-2.010	1.190-1.250	3.00	MS9557-58	5.740-5.760	4.490-5.000	7.28
MS9557-29	2.115-2.135	1.315-1.375	3.14	MS9557-59	5.865-5.885	5.065-5.125	7.42
MS9557-30	2.240-2.260	1.440-1.500	3.29	MS9557-60	5.990-6.010	5.190-5.250	7.57
MS9557-31	2.365-2.385	1.565-1.625	3.43				

NOTE: PART NUMBERS MS9557-61 AND MS9557-62 ARE LISTED OUT OF PART NUMBER ORDER. THEY ARE LISTED IN ORDER BY LENGTH (DIM L).

NOTES:

- 1/ FOR PART NUMBERS MS9557-04 THROUGH MS9557-16, 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, EXCEPT COLD ROLLING OF HEAD TO SHANK FILLET RADIUS IS NOT REQUIRED ON PART NUMBERS MS9557-04 THROUGH MS9557-14.
4. FLUORESCENT PENETRANT INSPECTION PER ASTM E1417/E1417M, TYPE 1, SENSITIVITY LEVEL 2 MINIMUM.
5. SURFACE TEXTURE: SYMBOLS PER ASME Y14.36M. REQUIREMENTS PER ASME B46.1. UNLESS OTHERWISE SPECIFIED, SURFACES TO BE 125 MICROINCHES Ra.
6. BREAK EDGES .003 TO .015, UNLESS OTHERWISE SPECIFIED.
7. DIMENSIONING AND TOLERANCING: ASME Y14.5-2018.
8. UNLESS OTHERWISE SPECIFIED, PART INVENTORY MANUFACTURED TO PREVIOUS REVISIONS OF THE APPLICABLE DRAWING OR SPECIFICATION MAY BE PROCURED AND USED UNTIL STOCK IS DEPLETED.

	AEROSPACE STANDARD	AS9557™ SHEET 2 OF 3	REV. F
	BOLT, MACHINE - DOUBLE HEXAGON EXTENDED WASHER HEAD, CORROSION AND HEAT RESISTANT STEEL, UNS S66286, UTS 130 KSI MIN, .2500-28 UNJF-3A		