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REV.
E

AS9559™

RATIONALE

REVISE LEAD CHAMFER TO AS1132, ADD EXISTING INVENTORY DISPOSITION NOTE, ADD "MIN" TO FPI SENSITIVITY LEVEL REQUIREMENT, COLD ROLLING NOTE - DELETE CURRENT NOTE 4 (REFER TO AS7477), AND INCORPORATE LENGTH EXCEPTION INTO NOTE 3, DELETE REGARDLESS OF FEATURE SIZE SYMBOL FROM STRAIGHTNESS FEATURE CONTROL FRAME, FIGURE 1 REDRAWN, GENERAL EDITORIAL UPDATE.

AS9559E HAS BEEN REAFFIRMED TO COMPLY WITH THE SAE FIVE-YEAR REVIEW POLICY.

NOTICE

THE INITIAL SAE PUBLICATION OF THIS DOCUMENT WAS TAKEN DIRECTLY FROM U.S. MILITARY STANDARD MS9559E, 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) 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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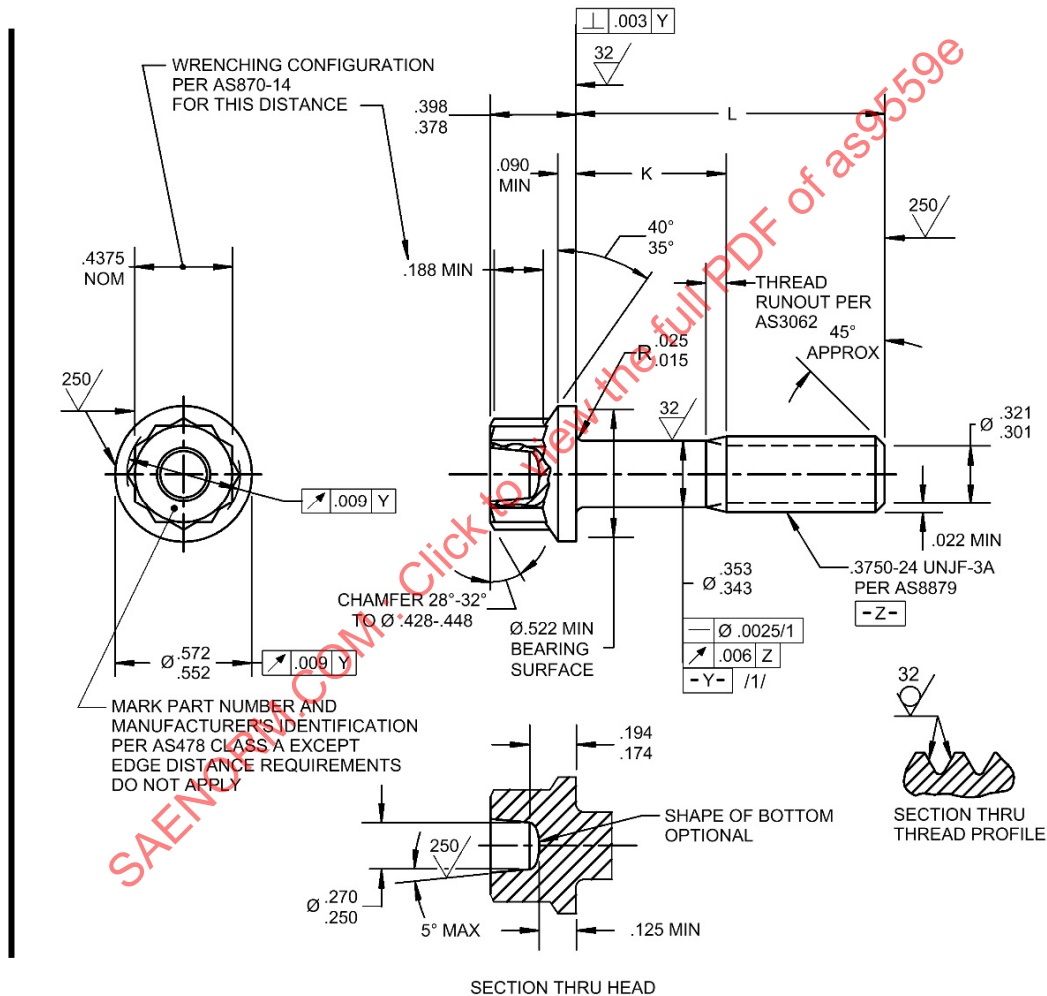


FIGURE 1 - BOLT

For more information on this standard, visit
<https://www.sae.org/standards/content/AS9559E/>

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, .3750-24 UNJF-3A

AS9559™
SHEET 1 OF 3

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ISSUED 1999-04 REVISED 2018-08 REAFFIRMED 2024-04

TABLE 1 - PART NUMBERS AND DIMENSIONS

PART NUMBER	L	K	APPROX MASS LBF/100	PART NUMBER	L	K	APPROX MASS LBF/100
MS9559-03	.552-.572	.088-.108	3.26	MS9559-31	2.865-2.885	1.815-1.875	9.46
MS9559-04	.615-.635	.088-.108	3.42	MS9559-32	2.990-3.010	1.940-2.000	9.80
MS9559-05	.678-.698	.088-.108	3.58	MS9559-33	3.115-3.135	2.065-2.125	10.13
MS9559-06	.740-.760	.088-.108	3.74	MS9559-34	3.240-3.260	2.190-2.250	10.47
MS9559-07	.802-.822	.088-.108	3.90	MS9559-35	3.365-3.835	2.315-2.375	10.80
MS9559-08	.865-.885	.088-.108	4.07	MS9559-36	3.490-3.510	2.440-2.500	11.14
MS9559-09	.928-.948	.088-.108	4.24	MS9559-37	3.615-3.635	2.565-2.625	11.47
MS9559-10	.990-1.010	.088-.108	4.41	MS9559-38	3.740-3.760	2.690-2.750	11.80
MS9559-11	1.052-1.072	.088-.108	4.58	MS9559-39	3.865-3.885	2.815-2.875	12.14
MS9559-12	1.115-1.135	.088-.125	4.75	MS9559-40	3.990-4.010	2.940-3.000	12.47
MS9559-13	1.178-1.198	.128-.188	4.91	MS9559-41	4.115-4.135	3.065-3.125	12.80
MS9559-14	1.240-1.260	.190-.250	5.08	MS9559-42	4.240-4.260	3.190-3.250	13.13
MS9559-15	1.302-1.322	.252-.312	5.25	MS9559-43	4.365-4.385	3.315-3.375	13.46
MS9559-16	1.365-1.385	.315-.375	5.43	MS9559-44	4.490-4.510	3.440-3.500	13.89
MS9559-17	1.428-1.448	.378-.438	5.60	MS9559-45	4.615-4.635	3.565-3.625	14.23
MS9559-18	1.490-1.510	.440-.500	5.76	MS9559-46	4.740-4.760	3.690-3.750	14.56
MS9559-19	1.552-1.572	.502-.562	5.93	MS9559-47	4.865-4.885	3.815-3.875	14.89
MS9559-20	1.615-1.635	.565-.625	6.10	MS9559-48	4.990-5.010	3.940-4.000	15.23
MS9559-21	1.678-1.698	.628-.688	6.27	MS9559-49	5.115-5.135	4.065-4.125	15.57
MS9559-22	1.740-1.760	.690-.750	6.44	MS9559-50	5.240-5.260	4.190-4.250	15.90
MS9559-57	1.802-1.822	.752-.812	6.61	MS9559-51	5.365-5.385	4.315-4.375	16.23
MS9559-23	1.865-1.885	.815-.875	6.77	MS9559-52	5.490-5.510	4.440-4.500	16.58
MS9559-58	1.928-1.948	.878-.938	6.94	MS9559-53	5.615-5.635	4.565-4.625	16.89
MS9559-24	1.990-2.010	.940-1.000	7.11	MS9559-54	5.740-5.760	4.690-4.750	17.23
MS9559-25	2.115-2.135	1.065-1.125	7.44	MS9559-55	5.865-5.885	4.815-4.875	17.57
MS9559-26	2.240-2.260	1.190-1.250	7.78	MS9559-56	5.990-6.010	4.940-5.000	17.91
MS9559-27	2.365-2.385	1.315-1.375	8.11				
MS9559-28	2.490-2.510	1.440-1.500	8.44				
MS9559-29	2.615-2.635	1.565-1.625	8.78				
MS9559-30	2.740-2.760	1.690-1.750	9.12				

NOTE: PART NUMBERS MS9559-57 AND MS9559-58 ARE LISTED OUT OF PART NUMBER ORDER. THEY ARE LISTED IN ORDER BY LENGTH (DIM L).



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WASHER HEAD, CORROSION AND HEAT RESISTANT
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