

SAE Technical Standards Board Rules provide that: "This report is published by SAE to advance the state of technical and engineering sciences. The use of this report is entirely voluntary, and its applicability and suitability for any particular use, including any patent infringement arising therefrom, is the sole responsibility of the user." SAE reviews each technical report at least every five years at which time it may be revised, reaffirmed, stabilized, or cancelled. SAE invites your written comments and suggestions.

**REV.  
B**

**AS91721**

FEDERAL SUPPLY CLASS  
5306

**RATIONALE**

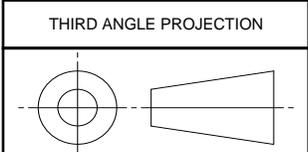
THIS DOCUMENT HAS BEEN DETERMINED TO CONTAIN BASIC AND STABLE TECHNOLOGY WHICH IS NOT DYNAMIC IN NATURE.

**STABILIZED NOTICE**

THIS DOCUMENT HAS BEEN DECLARED "STABILIZED" BY THE SAE E-25 GENERAL STANDARDS FOR AEROSPACE AND PROPULSION SYSTEMS COMMITTEE AND WILL NO LONGER BE SUBJECT TO PERIODIC REVIEWS FOR CURRENCY. USERS ARE RESPONSIBLE FOR VERIFYING REFERENCES AND CONTINUED SUITABILITY OF TECHNICAL REQUIREMENTS. NEWER TECHNOLOGY MAY EXIST.

SAENORM.COM : Click to view the full PDF of as91721b

**SAE values your input. To provide feedback on this Technical Report, please visit <http://www.sae.org/technical/standards/AS91721B>**



CUSTODIAN: E-25



**AEROSPACE STANDARD**  
BOLT, MACHINE - DOUBLE HEXAGON EXTENDED WASHER HEAD, DRILLED, PD SHANK, BLACK OXIDE, STEEL, UNS G87400, 125 KSI MIN .3750-24 UNF-3A

**AS91721**

**REV.  
B**

ISSUED 1999-12 REVISED 2003-10 REAFFIRMED 2007-06 STABILIZED 2015-06

THE INITIAL SAE PUBLICATION OF THIS DOCUMENT WAS TAKEN DIRECTLY FROM U.S. MILITARY STANDARD MS9172A. 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.

SAENORM.COM : Click to view the full PDF of as91721b

	<b>AEROSPACE STANDARD</b>	<b>AS91721</b> SHEET 1 OF 4	<b>REV.</b> <b>B</b>
	BOLT, MACHINE - DOUBLE HEXAGON EXTENDED WASHER HEAD, DRILLED, PD SHANK, BLACK OXIDE, STEEL, UNS G87400, 125 KSI MIN .3750-24 UNF-3A		

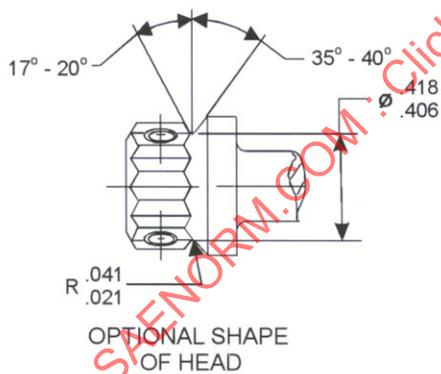
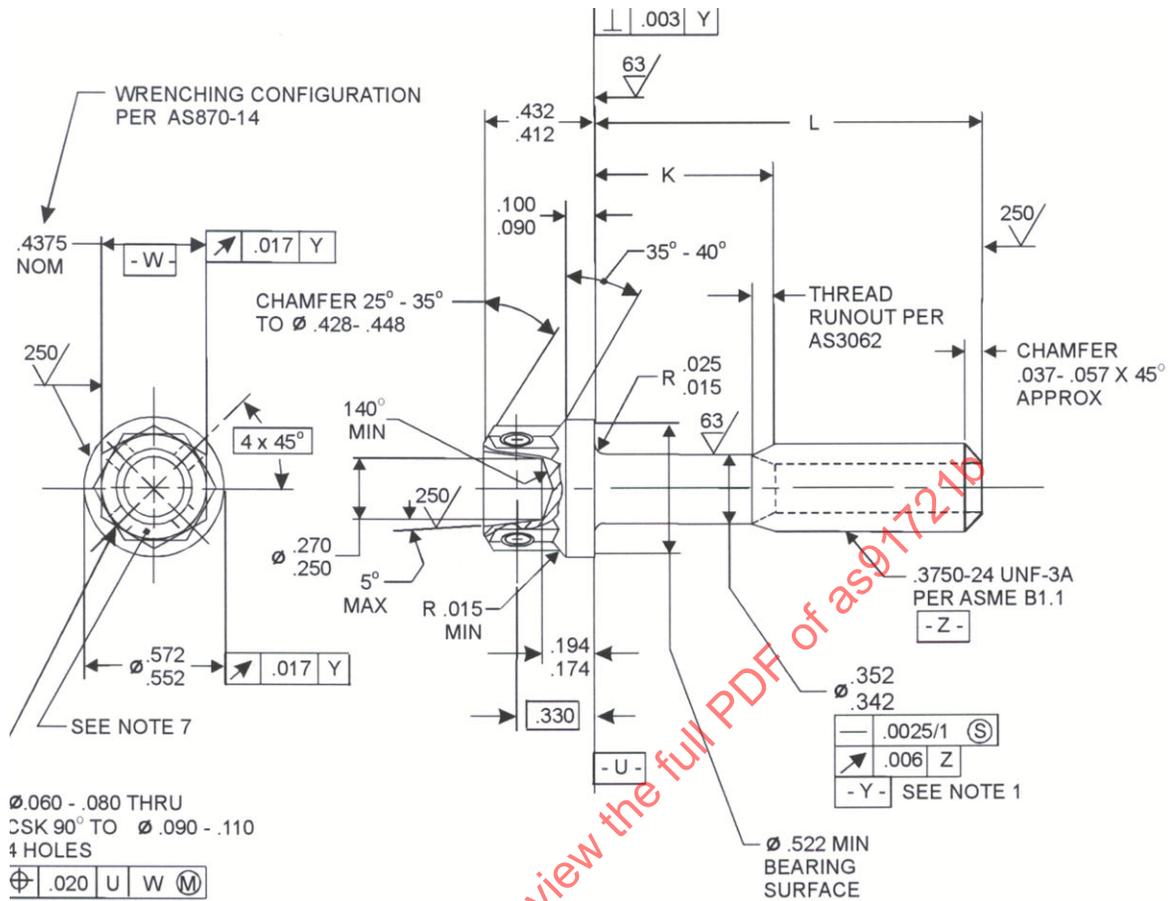


FIGURE 1 - BOLT



**AEROSPACE STANDARD**

BOLT, MACHINE - DOUBLE HEXAGON EXTENDED  
WASHER HEAD, DRILLED, PD SHANK, BLACK  
OXIDE, STEEL, UNS G87400, 125 KSI MIN  
.3750-24 UNF-3A

**AS91721**  
SHEET 2 OF 4

**REV. B**

TABLE 1 - PART NUMBERS AND DIMENSIONS.

PART NUMBER	L	K	APPROX. MASS LB/100	PART NUMBER	L	K	APPROX. MASS LB/100
MS9172-06	.740 - .760	<u>1/</u>	3.74	MS9172-32	2.990 - 3.010	1.940 - 2.000	9.80
MS9172-07	.802 - .822	<u>1/</u>	3.90	MS9172-33	3.115 - 3.135	2.065 - 2.125	10.13
MS9172-08	.865 - .885	<u>1/</u>	4.07	MS9172-34	3.240 - 3.260	2.190 - 2.250	10.47
MS9172-09	.928 - .948	<u>1/</u>	4.24	MS9172-35	3.365 - 3.385	2.315 - 2.375	10.80
MS9172-10	.990 - 1.010	<u>1/</u>	4.41	MS9172-36	3.490 - 3.510	2.440 - 2.500	11.14
MS9172-11	1.052 - 1.072	<u>1/</u>	4.58	MS9172-37	3.615 - 3.635	2.565 - 2.625	11.47
MS9172-12	1.115 - 1.135	.065 - .125	4.75	MS9172-38	3.740 - 3.760	2.690 - 2.750	11.80
MS9172-13	1.178 - 1.198	.128 - .188	4.91	MS9172-39	3.865 - 3.885	2.815 - 2.875	12.14
MS9172-14	1.240 - 1.260	.190 - .250	5.08	MS9172-40	3.990 - 4.010	2.940 - 3.000	12.47
MS9172-15	1.302 - 1.322	.252 - .312	5.25	MS9172-41	4.115 - 4.135	3.065 - 3.125	12.80
MS9172-16	1.365 - 1.385	.315 - .375	5.43	MS9172-42	4.240 - 4.260	3.190 - 3.250	13.13
MS9172-17	1.428 - 1.448	.378 - .438	5.60	MS9172-43	4.365 - 4.385	3.315 - 3.375	13.46
MS9172-18	1.490 - 1.510	.440 - .500	5.76	MS9172-44	4.490 - 4.510	3.440 - 3.500	13.89
MS9172-19	1.552 - 1.572	.502 - .562	5.93	MS9172-45	4.615 - 4.635	3.565 - 3.625	14.23
MS9172-20	1.615 - 1.635	.565 - .625	6.10	MS9172-46	4.740 - 4.760	3.690 - 3.750	14.56
MS9172-21	1.678 - 1.698	.628 - .688	6.27	MS9172-47	4.865 - 4.885	3.815 - 3.875	14.89
MS9172-22	1.740 - 1.760	.690 - .750	6.44	MS9172-48	4.990 - 5.010	3.940 - 4.000	15.23
MS9172-23	1.865 - 1.885	.815 - .875	6.77	MS9172-49	5.115 - 5.135	4.065 - 4.125	15.57
MS9172-24	1.990 - 2.010	.940 - 1.000	7.11	MS9172-50	5.240 - 5.260	4.190 - 4.250	15.90
MS9172-25	2.115 - 2.135	1.065 - 1.125	7.44	MS9172-51	5.365 - 5.385	4.315 - 4.375	16.23
MS9172-26	2.240 - 2.260	1.190 - 1.250	7.78	MS9172-52	5.490 - 5.510	4.440 - 4.500	16.56
MS9172-27	2.365 - 2.385	1.315 - 1.375	8.11	MS9172-53	5.615 - 5.635	4.565 - 4.625	16.89
MS9172-28	2.490 - 2.510	1.440 - 1.500	8.44	MS9172-54	5.740 - 5.760	4.690 - 4.750	17.23
MS9172-29	2.615 - 2.635	1.565 - 1.625	8.78	MS9172-55	5.865 - 5.885	4.815 - 4.875	17.57
MS9172-30	2.740 - 2.760	1.690 - 1.750	9.12	MS9172-56	5.990 - 6.010	4.940 - 5.000	17.91
MS9172-31	2.865 - 2.885	1.815 - 1.875	9.46				

1/ THREAD TO HEAD. MAXIMUM TWO IMPERFECT THREADS.

SAENORM.COM : Click to view the full PDF of MS9172-10