

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**

SAE AS9933

FEDERAL SUPPLY CLASS
5306

RATIONALE

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

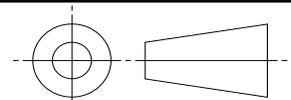
STABILIZED NOTICE

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 as9933b

SAE values your input. To provide feedback on this Technical Report, please visit <http://www.sae.org/technical/standards/AS9933B>

THIRD ANGLE PROJECTION



CUSTODIAN: E-25

PROCUREMENT SPECIFICATION: NONE



AEROSPACE STANDARD

BOLT, MACHINE - DOUBLE HEXAGON EXTENDED WASHER HEAD, FULL SHANK, STEEL AMS6322, CADMIUM PLATED, .250-28 UNJF-3A

SAE AS9933

**REV.
B**

ISSUED 1998-05 REAFFIRMED 2003-10 REVISED 2011-12 STABILIZED 2012-10

TABLE 1 – PART NUMBERS AND DIMENSIONS

PART NO.	L	G MIN	K MAX	APPROX WEIGHT LB/100	PART NO.	L	G MIN	K MAX	APPROX WEIGHT LB/100
MS9933-13	.928-.948	.057	.188	1.91	MS9933-40	3.240-3.260	2.369	2.500	5.11
MS9933-14	.990-1.010	.119	.250	1.99	MS9933-41	3.365-3.385	2.494	2.625	5.29
MS9933-15	1.052-1.072	.181	.312	2.08	MS9933-42	3.490-3.510	2.619	2.750	5.46
MS9933-16	1.115-1.135	.244	.375	2.17	MS9933-43	3.615-3.635	2.744	2.875	5.63
MS9933-17	1.178-1.198	.307	.438	2.26	MS9933-44	3.740-3.760	2.869	3.000	5.81
MS9933-18	1.240-1.260	.369	.500	2.34	MS9933-45	3.865-3.885	2.994	3.125	5.98
MS9933-19	1.302-1.322	.431	.562	2.43	MS9933-46	3.990-4.010	3.119	3.250	6.15
MS9933-20	1.365-1.385	.494	.625	2.51	MS9933-47	4.115-4.135	3.244	3.375	6.33
MS9933-21	1.428-1.448	.557	.688	2.60	MS9933-48	4.240-4.260	3.369	3.500	6.50
MS9933-22	1.490-1.510	.619	.750	2.69	MS9933-49	4.365-4.385	3.494	3.625	6.67
MS9933-23	1.552-1.572	.681	.812	2.77	MS9933-50	4.490-4.510	3.619	3.750	6.85
MS9933-24	1.615-1.635	.744	.875	2.86	MS9933-51	4.615-4.635	3.744	3.875	7.02
MS9933-25	1.678-1.698	.807	.938	2.95	MS9933-52	4.740-4.760	3.869	4.000	7.19
MS9933-26	1.740-1.760	.849	1.000	3.03	MS9933-53	4.865-4.885	3.994	4.125	7.37
MS9933-27	1.802-1.822	.931	1.062	3.12	MS9933-54	4.990-5.010	4.119	4.250	7.54
MS9933-28	1.865-1.885	.994	1.125	3.21	MS9933-55	5.115-5.135	4.244	4.375	7.72
MS9933-29	1.928-1.948	1.057	1.188	3.29	MS9933-56	5.240-5.260	4.369	4.500	7.82
MS9933-30	1.990-2.010	1.119	1.250	3.38	MS9933-57	5.365-5.385	4.494	4.625	8.06
MS9933-31	2.115-2.135	1.244	1.375	3.55	MS9933-58	5.490-5.510	4.619	4.750	8.24
MS9933-32	2.240-2.260	1.369	1.500	3.73	MS9933-59	5.615-5.635	4.744	4.875	8.41
MS9933-33	2.365-2.385	1.494	1.625	3.90	MS9933-60	5.740-5.760	4.869	5.000	8.58
MS9933-34	2.490-2.510	1.619	1.750	4.07	MS9933-61	5.865-5.885	4.994	5.125	8.76
MS9933-35	2.615-2.635	1.744	1.875	4.25	MS9933-62	5.990-6.010	5.119	5.250	8.91
MS9933-36	2.740-2.760	1.869	2.000	4.42					
MS9933-37	2.865-2.885	1.994	2.125	4.59					
MS9933-38	2.990-3.010	2.119	2.250	4.77					
MS9933-39	3.115-3.135	2.244	2.375	4.94					

SAENORM.COM : Click to view the full PDF of AS9933B

 An SAE International Group	AEROSPACE STANDARD	 SHEET 2 OF 3	REV. B
	BOLT, MACHINE - DOUBLE HEXAGON EXTENDED WASHER HEAD, FULL SHANK, STEEL AMS6322, CADIUM PLATED, .250-28 UNJF-3A		