

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 reaffirmed, revised, or cancelled. SAE invites your written comments and suggestions.

AS9585

Submitted for recognition as an American National Standard

FEDERAL SUPPLY CLASS
5306

NOTICE

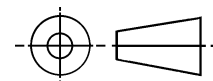
THIS DOCUMENT HAS BEEN TAKEN DIRECTLY FROM U.S. MILITARY SPECIFICATION MS9585B, AMENDMENT 1 AND CONTAINS ONLY MINOR EDITORIAL AND FORMAT CHANGES REQUIRED TO BRING IT INTO CONFORMANCE WITH THE PUBLISHING REQUIREMENTS OF SAE TECHNICAL STANDARDS. THE INITIAL RELEASE OF THIS DOCUMENT IS INTENDED TO REPLACE MS9585B, AMENDMENT 1. ANY PART NUMBERS ESTABLISHED BY THE ORIGINAL SPECIFICATION REMAIN UNCHANGED.

THE ORIGINAL MILITARY SPECIFICATION WAS ADOPTED AS AN SAE STANDARD UNDER THE PROVISIONS OF THE SAE TECHNICAL STANDARDS BOARD (TSB) RULES AND REGULATIONS (TSB 001) PERTAINING TO ACCELERATED ADOPTION OF GOVERNMENT SPECIFICATIONS AND STANDARDS. TSB RULES PROVIDE FOR (A) THE PUBLICATION OF PORTIONS OF UNREVISED GOVERNMENT SPECIFICATIONS AND STANDARDS WITHOUT CONSENSUS VOTING AT THE SAE COMMITTEE LEVEL, AND (B) THE USE OF THE EXISTING GOVERNMENT SPECIFICATION OR STANDARD FORMAT.

UNDER DEPARTMENT OF DEFENSE POLICIES AND PROCEDURES, ANY QUALIFICATION REQUIREMENTS AND ASSOCIATED QUALIFIED PRODUCTS LISTS ARE MANDATORY FOR DOD CONTRACTS. ANY REQUIREMENT RELATING TO QUALIFIED PRODUCTS LISTS (QPL'S) HAS NOT BEEN ADOPTED BY SAE AND IS NOT PART OF THIS TECHNICAL REPORT.

SAENORM.COM : Click to view the full PDF of as9585

THIRD ANGLE PROJECTION



ISSUED 1998-08

PREPARED BY COMMITTEE E-25

PROCUREMENT SPECIFICATION: AMS 7477

SAE The Engineering Society
For Advancing Mobility
INTERNATIONAL
Land Sea Air and Space®
400 Commonwealth Drive, Warrendale, PA 15096-0001

AEROSPACE STANDARD

BOLT, MACHINE - HEXAGON HEAD,
DRILLED, 6 HOLES, FULL SHANK,
.3125-24 UNJF-3A

AS9585
SHEET 1 OF 3

Technical drawing of a mechanical part, likely a shaft or pin, showing various views and dimensions.

Top View:

- Hexagonal feature with a central hole.
- Dimensions: .502, .492, .188 TO DEPTH SHOWN.
- Feature: .561 MIN.
- Tolerance: $\pm .015$ B.
- Note: SEE REQ 5.

Side View:

- Overall length: .281.
- Feature: .201.
- Feature: .095 TO POINT.
- Feature: .016.
- Feature: .025.
- Feature: R.015.
- Feature: .32.
- Feature: .250.
- Feature: CHAMFER .047 X 45° ±10°.
- Feature: THREAD RUNOUT IAW AS 3062.
- Feature: 3125-24 UNJF-3A.
- Note: SEE REQ 2.

Section View:

- Feature: 312.
- Feature: .309.
- Feature: .003/1X5.
- Feature: .006 A.
- Feature: 32.
- Feature: CHAMFER 30° TO .500.
- Feature: .070.
- Feature: CSK 90° TO .100.
- Feature: 6 HOLES EQUALLY SPACED AS SHOWN.
- Feature: .460 MIN BEARING SURFACE.
- Feature: .510 MAX.
- Feature: .015 B.
- Feature: VIEW A ENLARGED.
- Feature: SECTION THRU THREAD PROFILE.

DASH NO.	L	K	APPROX WEIGHT LB/100	DASH NO.	L	K	APPROX WEIGHT LB/100
-04	.500	.088-.108	2.59	-34	3.000	2.065-2.125	8.01
-05	.562	.088-.108	2.73	-35	3.125	2.190-2.250	8.28
-06	.625	.088-.108	2.86	-36	3.250	2.315-2.375	8.55
-07	.688	.088-.108	3.00	-37	3.375	2.440-2.500	8.82
-08	.750	.088-.108	3.14	-38	3.500	2.565-2.625	9.09
-09	.812	.088-.108	3.27	-39	3.625	2.690-2.750	9.36
-10	.875	.088-.108	3.41	-40	3.750	2.815-2.875	9.63
-11	.938	.088-.108	3.54	-41	3.875	2.940-3.000	9.90
-12	1.000	.088-.125	3.68	-42	4.000	3.065-3.125	10.17
-13	1.062	.128-.188	3.81	-43	4.125	3.190-3.250	10.44
-14	1.125	.190-.250	3.95	-44	4.250	3.315-3.375	10.71
-15	1.188	.252-.312	4.08	-45	4.375	3.440-3.500	10.98
-16	1.250	.315-.375	4.22	-46	4.500	3.565-3.625	11.25
-17	1.312	.378-.438	4.35	-47	4.625	3.690-3.750	11.52
-18	1.375	.440-.500	4.49	-48	4.750	3.815-3.875	11.80
-19	1.438	.502-.562	4.62	-49	4.875	3.940-4.000	12.07
-20	1.500	.565-.625	4.76	-50	5.000	4.065-4.125	12.34
-21	1.562	.628-.688	4.89	-51	5.125	4.190-4.250	12.61
-22	1.625	.690-.750	5.03	-52	5.250	4.315-4.375	12.88
-23	1.688	.752-.812	5.17	-53	5.375	4.440-4.500	13.15
-24	1.750	.812-.875	5.30	-54	5.500	4.565-4.625	13.42
-25	1.875	.940-1.000	5.57	-55	5.625	4.690-4.750	13.69
-26	2.000	1.065-1.125	5.84	-56	5.750	4.815-4.875	13.96
-27	2.125	1.190-1.250	6.11	-57	5.875	4.940-5.000	14.22
-28	2.250	1.315-1.375	6.38	-58	6.000	5.065-5.125	14.50
-29	2.375	1.440-1.500	6.65	-59	1.812	.878-.938	5.44
-30	2.500	1.565-1.625	6.92	-60	1.938	1.002-1.062	5.71
-31	2.625	1.690-1.750	7.19				
-32	2.750	1.815-1.875	7.47				
-33	2.875	1.940-2.000	7.74				