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REV.
B

AS9633™

RATIONALE

FIGURE REDRAWN TO LATEST STANDARDS, SPECS UPDATED, USAGE OF PARTS NOTE ADDED.

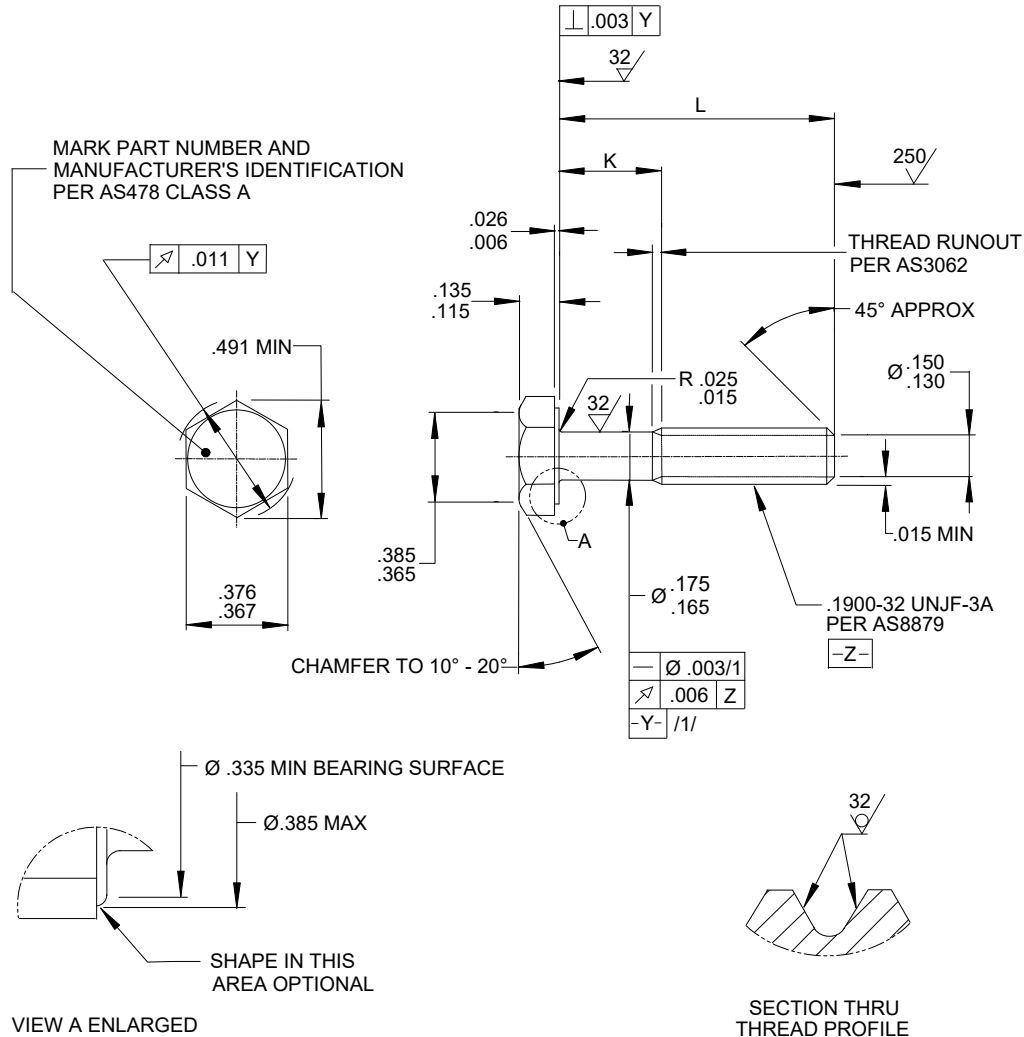
AS9633B HAS BEEN REAFFIRMED TO COMPLY WITH THE SAE FIVE-YEAR REVIEW POLICY.

NOTICE

THE INITIAL SAE PUBLICATION OF THIS DOCUMENT WAS TAKEN DIRECTLY FROM U.S. MILITARY STANDARD MS9633, NOTICE 1. THIS SAE STANDARD MAY RETAIN THE SAME PART NUMBERS ESTABLISHED BY THE ORIGINAL MILITARY DOCUMENT.

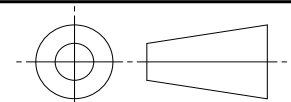
ANY REQUIREMENTS ASSOCIATED WITH QUALIFIED PRODUCTS LISTS (QPL) MAY CONTINUE TO BE MANDATORY FOR DOD CONTRACTS. REQUIREMENTS RELATING TO QPLS HAVE NOT BEEN ADOPTED BY THE SAE FOR THIS STANDARD AND ARE NOT PART OF THIS SAE DOCUMENT.

FEDERAL SUPPLY CLASS
5306



For more information on this standard, visit
<https://www.sae.org/standards/content/AS9633B/>

THIRD ANGLE PROJECTION



CUSTODIAN: E-25

PROCUREMENT SPECIFICATION: AS7461



AEROSPACE STANDARD

(R) BOLT, MACHINE - HEXAGON HEAD,
PD SHANK, TITANIUM AMS4967 (UNS R56400),
.190-32 UNJF-3A

AS9633™
SHEET 1 OF 2

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TABLE 1 - PART NUMBERS AND DIMENSIONS

PART NUMBERS	K	L	APPROX WEIGHT LB/100	PART NUMBERS	K	L	APPROX WEIGHT LB/100
MS9633-03	.072- .092	.302- .322	.44	MS9633-26	1.060-1.120	1.740-1.760	.96
MS9633-04	.072- .092	.365- .385	.46	MS9633-27	1.122-1.182	1.802-1.822	.99
MS9633-05	.072- .092	.428- .448	.48	MS9633-28	1.185-1.245	1.865-1.885	1.01
MS9633-06	.072- .092	.490- .510	.51	MS9633-29	1.248-1.308	1.928-1.948	1.03
MS9633-07	.072- .092	.552- .572	.53	MS9633-30	1.310-1.370	1.990-2.010	1.05
MS9633-08	.072- .092	.615- .635	.55	MS9633-31	1.435-1.495	2.115-2.135	1.10
MS9633-09	.072- .092	.678- .698	.58	MS9633-32	1.560-1.620	2.240-2.260	1.15
MS9633-10	.072- .120	.740- .760	.60	MS9633-33	1.685-1.745	2.365-2.385	1.20
MS9633-11	.122- .182	.802- .822	.62	MS9633-34	1.810-1.870	2.490-2.510	1.24
MS9633-12	.185- .245	.865- .885	.64	MS9633-35	1.935-1.995	2.615-2.635	1.29
MS9633-13	.248- .308	.928- .948	.67	MS9633-36	2.060-2.120	2.740- 2.760	1.33
MS9633-14	.310- .370	.990-1.010	.69	MS9633-37	2.185-2.245	2.865-2.885	1.37
MS9633-15	.372- .432	1.052-1.072	.71	MS9633-38	2.310-2.370	2.990-3.010	1.42
MS9633-16	.435- .495	1.115-1.135	.73	MS9633-39	2.435-2.495	3.115-3.135	1.47
MS9633-17	.498- .558	1.178-1.198	.76	MS9633-40	2.560-2.620	3.240-3.260	1.51
MS9633-18	.560- .620	1.240-1.260	.78	MS9633-41	2.685-2.745	3.365-3.385	1.56
MS9633-19	.622- .682	1.302-1.322	.80	MS9633-42	2.810-2.870	3.490-3.510	1.60
MS9633-20	.685- .745	1.365-1.385	.83	MS9633-43	2.935-2.995	3.615-3.635	1.65
MS9633-21	.748- .808	1.428-1.448	.85	MS9633-44	3.060-3.120	3.740-3.760	1.70
MS9633-22	.810- .870	1.490-1.510	.87	MS9633-45	3.185-3.245	3.865-3.885	1.74
MS9633-23	.872- .932	1.552-1.572	.89				
MS9633-24	.935- .995	1.615-1.635	.92				
MS9633-25	.998-1.058	1.678-1.698	.94				

NOTES:

- 1/ FOR PART NUMBERS MS9633-03 THROUGH MS9633-13 THE THREAD PD (DATUM **Z**) SHALL REPLACE DATUM **Y**.
2. MATERIAL: TITANIUM AMS4967 (UNS R56400).
3. PROCUREMENT SPECIFICATION: AS7461, EXCEPT MATERIAL AS NOTED.
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, EXCEPT UPSET HEAD.
6. INCOMPLETE THREADS NOT TO ENTER FILLET.
7. BREAK SHARP EDGES .003 TO .015, UNLESS OTHERWISE SPECIFIED.
8. DIMENSIONS ARE IN INCHES.
9. DO NOT USE UNASSIGNED PART NUMBERS.
10. UNLESS OTHERWISE SPECIFIED, PART INVENTORY MANUFACTURED TO PREVIOUS REVISIONS OF THE APPLICABLE DRAWING OR SPECIFICATION MAY BE PROCURED AND USED UNTIL STOCK IS DEPLETED.
11. REVISION INDICATOR: A CHANGE BAR (I) LOCATED IN THE LEFT MARGIN IS FOR THE CONVENIENCE OF THE USER IN LOCATING AREAS WHERE TECHNICAL REVISIONS, NOT EDITORIAL CHANGES, HAVE BEEN MADE TO THE PREVIOUS ISSUE OF THIS DOCUMENT. AN (R) SYMBOL TO THE LEFT OF THE DOCUMENT TITLE INDICATES A COMPLETE REVISION OF THE DOCUMENT, INCLUDING TECHNICAL REVISIONS. CHANGE BARS AND (R) ARE NOT USED IN ORIGINAL PUBLICATIONS, NOR IN DOCUMENTS THAT CONTAIN EDITORIAL CHANGES ONLY.

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	AEROSPACE STANDARD	AS9633™ SHEET 2 OF 2	REV. B
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