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REV.
B

AS9790™

RATIONALE

REVISE LEAD THREAD CHAMFER TO REQUIREMENTS OF AS1132, ADD NEW NOTE FOR DISPOSITION OF EXISTING INVENTORY, MINOR EDITORIAL REVISIONS.

NOTICE

THE INITIAL SAE PUBLICATION OF THIS DOCUMENT WAS TAKEN DIRECTLY FROM U.S. MILITARY STANDARD MS9790, 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'S) 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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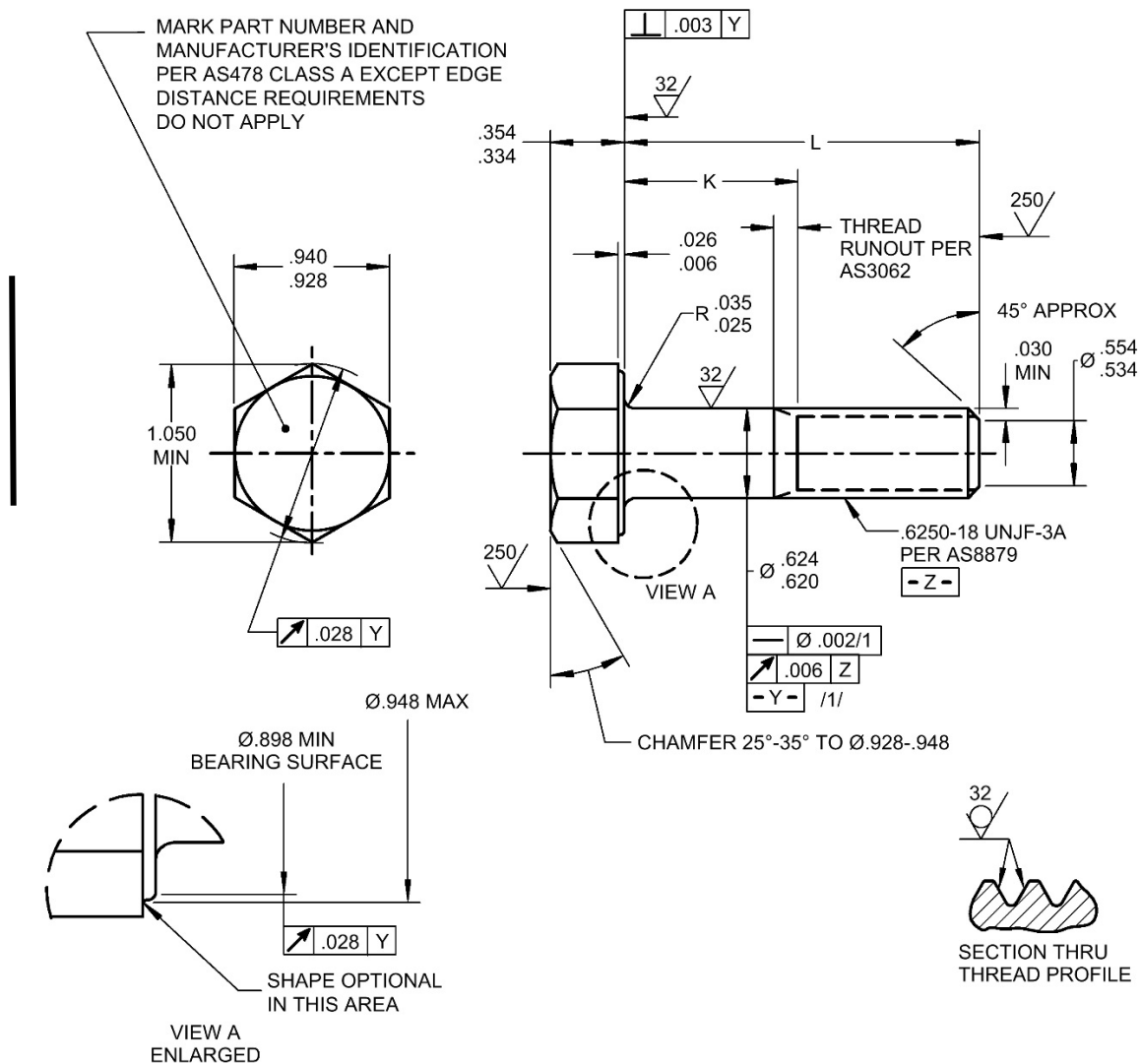
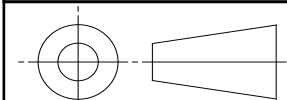


FIGURE 1 - BOLT

For more information on this standard, visit
<https://www.sae.org/standards/content/AS9790B/>

THIRD ANGLE PROJECTION



CUSTODIAN: E-25

PROCUREMENT SPECIFICATION: AS7474



AEROSPACE STANDARD

BOLT, MACHINE - HEXAGON HEAD, FULL SHANK,
CORROSION RESISTANT STEEL (UNS S17400),
140 KSI MIN UTS, .6250-18 UNJF-3A

AS9790™
SHEET 1 OF 2

REV.
B

Documents

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TABLE 1 - PART NUMBERS AND DIMENSIONS

PART NUMBER	L	K	APPROX WEIGHT LB/100	PART NUMBER	L	K	APPROX WEIGHT LB/100
MS9790-15	1.678-1.698	.128- .188	21.80	MS9790-36	3.990-4.010	2.440-2.500	41.61
MS9790-16	1.740-1.760	.190- .250	22.33	MS9790-37	4.115-4.135	2.565-2.625	42.68
MS9790-17	1.802-1.822	.252- .312	22.87	MS9790-38	4.240-4.260	2.690-2.750	43.75
MS9790-18	1.865-1.885	.315- .375	23.40	MS9790-39	4.365-4.385	2.815-2.875	44.82
MS9790-19	1.928-1.948	.378- .438	23.93	MS9790-40	4.490-4.510	2.940-3.000	45.90
MS9790-20	1.990-2.010	.440- .500	24.47	MS9790-41	4.615-4.635	3.065-3.125	46.96
MS9790-21	2.115-2.135	.565- .625	25.54	MS9790-42	4.740-4.760	3.190-3.250	48.04
MS9790-22	2.240-2.260	.690- .750	26.61	MS9790-43	4.865-4.885	3.315-3.375	49.11
MS9790-23	2.365-2.385	.815- .875	27.69	MS9790-44	4.990-5.010	3.440-3.500	50.18
MS9790-24	2.490-2.510	.940-1.000	28.75	MS9790-45	5.115-5.135	3.565-3.625	51.25
MS9790-25	2.615-2.635	1.065-1.125	29.83	MS9790-46	5.240-5.260	3.690-3.750	52.33
MS9790-26	2.740-2.760	1.190-1.250	30.90	MS9790-47	5.365-5.385	3.815-3.875	53.39
MS9790-27	2.865-2.885	1.315-1.375	31.97	MS9790-48	5.490-5.510	3.940-4.000	54.47
MS9790-28	2.990-3.010	1.440-1.500	33.04	MS9790-49	5.615-5.635	4.065-4.125	55.54
MS9790-29	3.115-3.135	1.565-1.625	34.12	MS9790-50	5.740-5.760	4.190-4.250	56.61
MS9790-30	3.240-3.260	1.690-1.750	35.18	MS9790-51	5.865-5.885	4.315-4.375	57.68
MS9790-31	3.365-3.385	1.815-1.875	36.26	MS9790-52	5.990-6.010	4.440-4.500	58.76
MS9790-32	3.490-3.510	1.940-2.000	37.33				
MS9790-33	3.615-3.635	2.065-2.125	38.39				
MS9790-34	3.740-3.760	2.190-2.250	39.47				
MS9790-35	3.865-3.885	2.315-2.375	40.54				

NOTES:

- /1/ FOR PART NUMBERS MS9790-15 THRU MS9790-24, DATUM Z (THREAD PD) SHALL REPLACE DATUM Y.
2. PROCUREMENT SPECIFICATION AS7474.
3. MATERIAL: AMS5643 - CORROSION RESISTANT STEEL (UNS S17400).
4. FLUORESCENT PENETRANT INSPECTION PER ASTM E1417/E1417M, TYPE 1, SENSITIVITY LEVEL 2 MIN.
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. BREAK SHARP EDGES .003 TO .015, UNLESS OTHERWISE SPECIFIED.
7. DIMENSIONS AND TOLERANCING: ANSI Y14.5M-1982 (ASME PUBLICATION).
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		AS9790™ SHEET 2 OF 2	REV. B
	BOLT, MACHINE - HEXAGON HEAD, FULL SHANK, CORROSION RESISTANT STEEL (UNS S17400), 140 KSI MIN UTS, .6250-18 UNJF-3A			