

REV.
C

SAE AS3247

FEDERAL SUPPLY CLASS
5306

RATIONALE

REVISE WRENCHING ELEMENT RUNOUT CALLOUT (RELOCATE FROM WRENCH FLATS TO POINTS). REVISE THREAD SPECIFICATION TO AS8879. REVISE LIGHTENING HOLE CONFIGURATION (ADD SECTION VIEW) TO ALLOW OPTIONAL SHAPE AT BOTTOM OF HOLE. ADD SYMBOL FOR Ø AND MMC TO POSITION TOLERANCE FOR SAFETY WIRE HOLES, DELETE .015 MIN RADIUS AT BASE OF WRENCH PAD, AND FIGURE 1 REDRAWN.

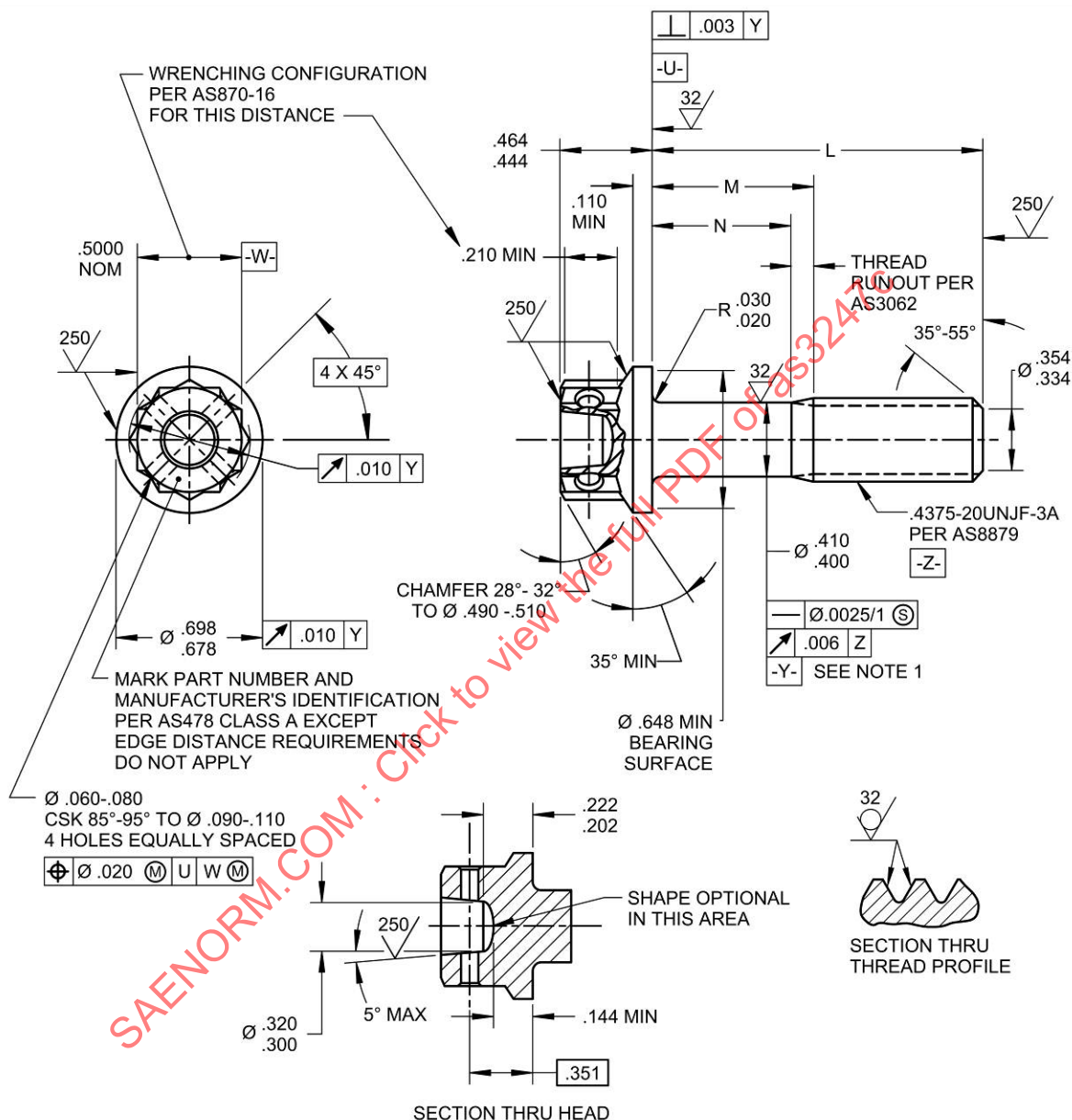
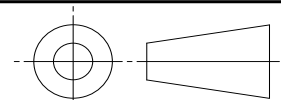


FIGURE 1 - BOLT

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THIRD ANGLE PROJECTION



CUSTODIAN: E-25

PROCUREMENT SPECIFICATION: AS7466

SAE Aerospace
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AEROSPACE STANDARD

(R) BOLT, MACHINE - DOUBLE HEXAGON EXTENDED WASHER HEAD, DRILLED, PD SHANK, NICKEL ALLOY, UNS N07718, 185 KSI MIN, .4375-20 UNJF-3A

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TABLE 1 - PART NUMBERS AND DIMENSIONS

PART NO.	L	N MIN	M MAX	APPROX. MASS LB/100	PART NO.	L	N MIN	M MAX	APPROX. MASS LB/100
AS3247-04	.678- .698	.030	.125	5.21	AS3247-31	2.740-2.760	1.465	1.625	13.13
AS3247-05	.740- .760	.030	.125	5.46	AS3247-32	2.865-2.885	1.590	1.750	13.61
AS3247-06	.802- .822	.030	.125	5.70	AS3247-33	2.990-3.010	1.715	1.875	14.09
AS3247-07	.865- .885	.030	.125	5.94	AS3247-34	3.115-3.135	1.840	2.000	14.57
AS3247-08	.928- .948	.030	.125	6.18	AS3247-35	3.240-3.260	1.965	2.125	15.05
AS3247-09	.990-1.010	.030	.125	6.42	AS3247-36	3.365-3.385	2.090	2.250	15.53
AS3247-10	1.052-1.072	.030	.125	6.65	AS3247-37	3.490-3.510	2.215	2.375	16.01
AS3247-11	1.115-1.135	.030	.125	6.89	AS3247-38	3.615-3.635	2.340	2.500	16.48
AS3247-12	1.178-1.198	.030	.125	7.13	AS3247-39	3.740-3.760	2.465	2.625	16.97
AS3247-13	1.240-1.260	.030	.125	7.37	AS3247-40	3.865-3.885	2.590	2.750	17.45
AS3247-14	1.302-1.322	.030	.188	7.62	AS3247-41	3.990-4.010	2.715	2.875	17.93
AS3247-15	1.365-1.385	.090	.250	7.86	AS3247-42	4.115-4.135	2.840	3.000	18.40
AS3247-16	1.428-1.448	.153	.312	8.10	AS3247-43	4.240-4.260	2.965	3.125	18.89
AS3247-17	1.490-1.510	.215	.375	8.34	AS3247-44	4.365-4.385	3.090	3.250	19.37
AS3247-18	1.552-1.572	.277	.438	8.57	AS3247-45	4.490-4.510	3.215	3.375	19.85
AS3247-19	1.615-1.635	.340	.500	8.81	AS3247-46	4.615-4.635	3.340	3.500	20.32
AS3247-20	1.678-1.698	.403	.562	9.05	AS3247-47	4.740-4.760	3.465	3.625	20.80
AS3247-21	1.740-1.760	.465	.625	9.27	AS3247-48	4.865-4.885	3.590	3.750	21.89
AS3247-22	1.802-1.822	.527	.688	9.53	AS3247-49	4.990-5.010	3.715	3.875	21.77
AS3247-23	1.865-1.885	.590	.750	9.77	AS3247-50	5.115-5.135	3.840	4.000	22.24
AS3247-24	1.928-1.948	.653	.812	10.02	AS3247-51	5.240-5.260	3.965	4.125	22.72
AS3247-25	1.990-2.010	.715	.875	10.26	AS3247-52	5.365-5.385	4.090	4.250	23.21
AS3247-26	2.115-2.135	.840	1.000	10.73	AS3247-53	5.490-5.510	4.215	4.375	23.69
AS3247-27	2.240-2.260	.965	1.125	11.21	AS3247-54	5.615-5.635	4.340	4.500	24.18
AS3247-28	2.365-2.385	1.090	1.250	11.69	AS3247-55	5.740-5.760	4.465	4.625	24.67
AS3247-29	2.490-2.510	1.215	1.375	12.18	AS3247-56	5.865-5.885	4.590	4.750	25.16
AS3247-30	2.615-2.635	1.340	1.500	12.65	AS3247-57	5.990-6.010	4.715	4.875	25.64

NOTES:

- FOR PART NUMBERS AS3247-04 THRU AS3247-24 THE THREAD PD (DATUM **Z**) SHALL REPLACE DATUM **Y**.
- MATERIAL: CORROSION AND HEAT RESISTANT NICKEL ALLOY PER AMS5662 (UNS N07718).
- PROCUREMENT SPECIFICATION: AS7466.
- FLUORESCENT PENETRANT INSPECTION PER ASTM E1417/E1417M, TYPE 1, SENSITIVITY LEVEL 2.
- SURFACE TEXTURE: SYMBOLS PER ASME Y14.36M. REQUIREMENTS PER ASME B46.1. UNLESS OTHERWISE SPECIFIED, SURFACES TO BE 125 MICROINCHES Ra.
- BREAK SHARP EDGES .003 TO .015 UNLESS OTHERWISE SPECIFIED.
- DIMENSIONS IN INCHES.
- DIMENSIONING AND TOLERANCING PER ANSI Y14.5M-1982 (ASME PUBLICATION).
- DO NOT USE UNASSIGNED PART NUMBERS.

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