

REV.
C

SAE AS3246

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.

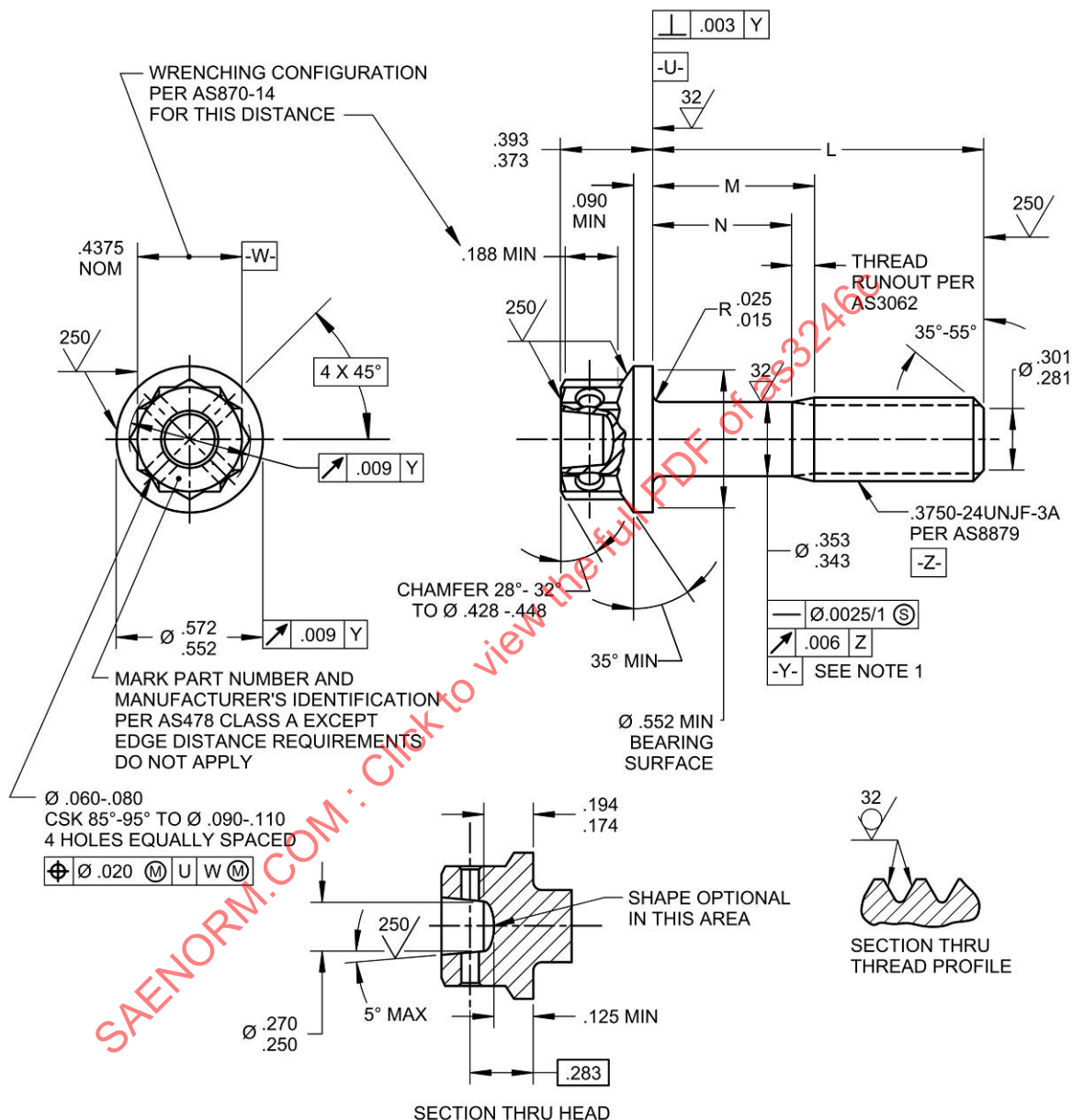
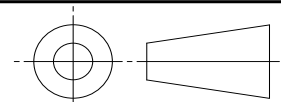


FIGURE 1 - BOLT

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THIRD ANGLE PROJECTION



CUSTODIAN: E-25

PROCUREMENT SPECIFICATION: AS7466

SAE Aerospace
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AEROSPACE STANDARD

BOLT, MACHINE - DOUBLE HEXAGON EXTENDED
WASHER HEAD, DRILLED, PD SHANK, NICKEL ALLOY,
UNS N07718, 185 KSI MIN, .3750-24 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
AS3246-03	.552- .572	.025	.108	3.06	AS3246-33	2.865-2.885	1.732	1.875	9.61
AS3246-04	.615- .635	.025	.108	3.24	AS3246-34	2.990-3.010	1.857	2.000	9.97
AS3246-05	.678- .698	.025	.108	3.42	AS3246-35	3.115-3.135	1.982	2.125	10.32
AS3246-06	.740- .760	.025	.108	3.59	AS3246-36	3.240-3.260	2.107	2.250	10.67
AS3246-07	.802- .822	.025	.108	3.77	AS3246-37	3.365-3.385	2.232	2.375	11.03
AS3246-08	.865- .885	.025	.108	3.94	AS3246-38	3.490-3.510	2.357	2.500	11.39
AS3246-09	.928- .948	.025	.108	4.12	AS3246-39	3.615-3.635	2.482	2.625	11.74
AS3246-10	.990-1.010	.025	.108	4.30	AS3246-40	3.740-3.760	2.607	2.750	12.09
AS3246-11	1.052-1.072	.025	.108	4.47	AS3246-41	3.865-3.885	2.732	2.875	12.45
AS3246-12	1.115-1.135	.025	.125	4.65	AS3246-42	3.990-4.010	2.857	3.000	12.80
AS3246-13	1.178-1.198	.045	.188	4.83	AS3246-43	4.115-4.135	2.982	3.125	13.15
AS3246-14	1.240-1.260	.107	.250	5.00	AS3246-44	4.240-4.260	3.107	3.250	13.50
AS3246-15	1.302-1.322	.169	.312	5.19	AS3246-45	4.365-4.385	3.232	3.375	14.87
AS3246-16	1.365-1.385	.232	.375	5.37	AS3246-46	4.490-4.510	3.357	3.500	14.22
AS3246-17	1.428-1.448	.295	.438	5.54	AS3246-47	4.615-4.635	3.482	3.625	14.57
AS3246-18	1.490-1.510	.357	.500	5.72	AS3246-48	4.740-4.760	3.607	3.750	14.93
AS3246-19	1.552-1.572	.419	.562	5.90	AS3246-49	4.865-4.885	3.732	3.875	15.28
AS3246-20	1.615-1.635	.482	.625	6.07	AS3246-50	4.990-5.010	3.857	4.000	15.63
AS3246-21	1.678-1.698	.545	.688	6.25	AS3246-51	5.115-5.135	3.982	4.125	15.99
AS3246-22	1.740-1.760	.607	.750	6.43	AS3246-52	5.240-5.260	4.107	4.250	16.34
AS3246-23	1.802-1.822	.669	.812	6.60	AS3246-53	5.365-5.385	4.232	4.375	16.70
AS3246-24	1.865-1.885	.732	.875	6.78	AS3246-54	5.490-5.510	4.357	4.500	17.05
AS3246-25	1.928-1.948	.795	.938	6.96	AS3246-55	5.615-5.635	4.482	4.625	17.39
AS3246-26	1.990-2.010	.857	1.000	7.13	AS3246-56	5.740-5.760	4.607	4.750	17.73
AS3246-27	2.115-2.135	.982	1.125	7.48	AS3246-57	5.865-5.885	4.732	4.875	18.07
AS3246-28	2.240-2.260	1.107	1.250	7.84	AS3246-58	5.990-6.010	4.857	5.000	18.41
AS3246-29	2.365-2.385	1.232	1.375	8.20					
AS3246-30	2.490-2.510	1.357	1.500	8.55					
AS3246-31	2.615-2.635	1.482	1.625	8.91					
AS3246-32	2.740-2.760	1.607	1.750	9.26					

NOTES:

- FOR PART NUMBERS AS3246-03 THRU AS3246-21 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 MICRONS Ra.
- BREAK SHARP EDGES .003 TO .015 UNLESS OTHERWISE SPECIFIED.
- DIMENSIONS IN INCHES.

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