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REV.
A

AS3405™

RATIONALE

FEDERAL SUPPLY CLASS
5306

UPDATE THREAD SPECIFICATION TO AS8879, UPDATE TO ANSI Y14.5M-1982, REVISE FPI REQUIREMENTS TO ASTM E1417/E1417M, ADD EDGE DISTANCE EXCEPTION FOR HEAD MARKING, REVISE HEX DIMENSIONS TO CURRENT PRACTICE, ADD AS3062 FOR THREAD RUNOUT, FIGURE 1 REDRAWN, UPDATE REFERENCES, AND GENERAL EDITORIAL UPDATE.

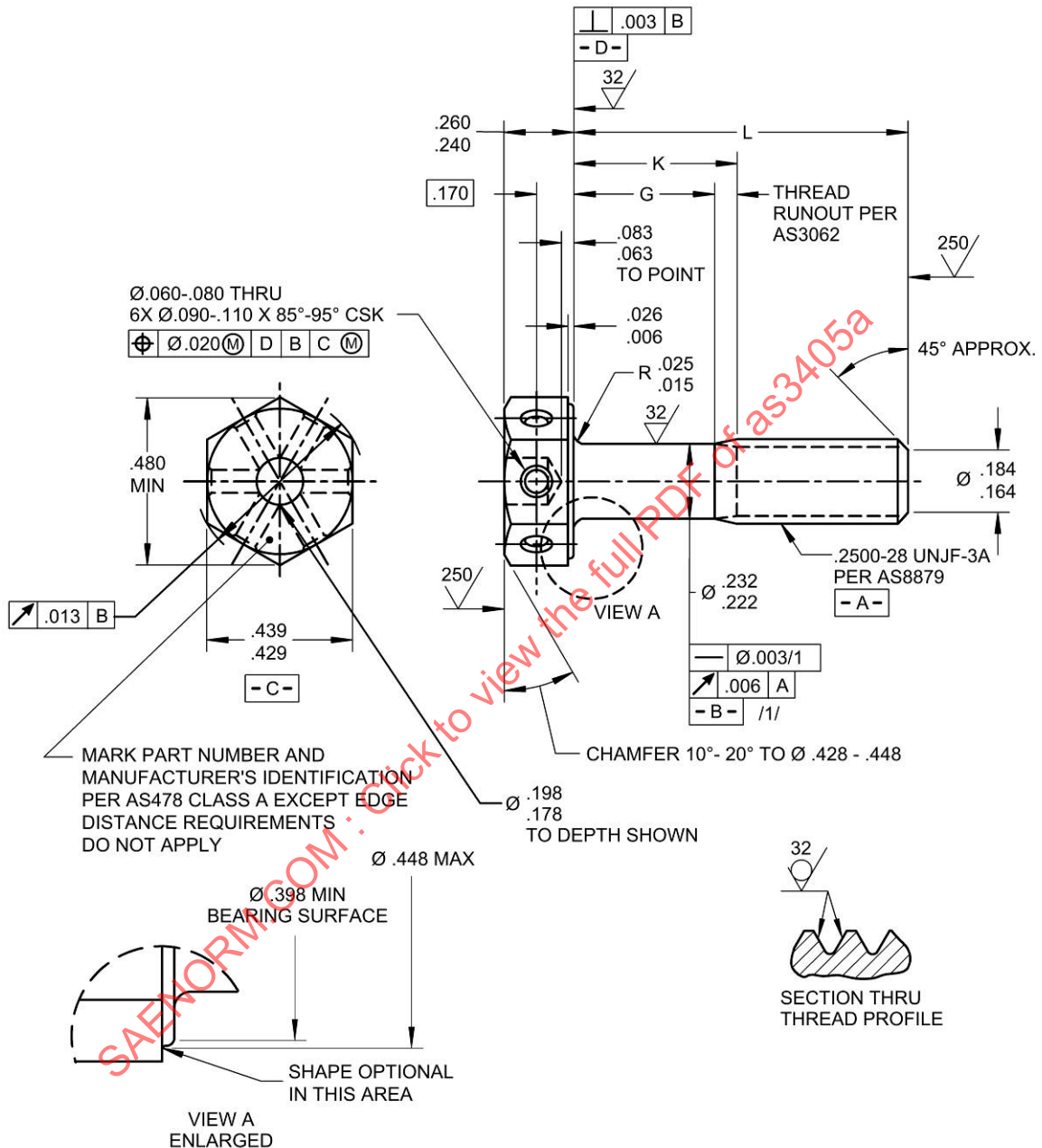
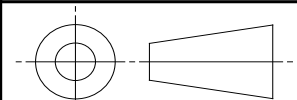


FIGURE 1 - BOLT

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THIRD ANGLE PROJECTION



CUSTODIAN: E-25

PROCUREMENT SPECIFICATION: AS7471



AEROSPACE STANDARD

BOLT, MACHINE - HEXAGON HEAD,
DRILLED 6 HOLES, PD SHANK,
AMS5708 (UNS N07001), .2500-28 UNJF-3A

AS3405™
SHEET 1 OF 3

REV.
A

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ISSUED 1985-08 REAFFIRMED 2006-10 REVISED 2015-09

TABLE 1 - PART NUMBERS AND DIMENSIONS

PART NO.	L	G MIN	K MAX	APPROX. MASS LB/100	PART NO.	L	G MIN	K MAX	APPROX. MASS LB/100
AS3405-04	.365-.385	.025	.099	1.48	AS3405-34	2.490-2.510	1.619	1.750	4.00
AS3405-05	.428-.448	.025	.099	1.55	AS3405-35	2.615-2.635	1.744	1.875	4.16
AS3405-06	.490-.510	.025	.099	1.62	AS3405-36	2.740-2.760	1.869	2.000	4.32
AS3405-07	.552-.572	.025	.099	1.70	AS3405-37	2.865-2.885	1.994	2.125	4.46
AS3405-08	.615-.635	.025	.099	1.77	AS3405-38	2.990-3.010	2.119	2.250	4.62
AS3405-09	.678-.698	.025	.099	1.84	AS3405-39	3.115-3.135	2.244	2.375	4.76
AS3405-10	.740-.760	.025	.099	1.91	AS3405-40	3.240-3.260	2.369	2.500	4.92
AS3405-11	.802-.822	.025	.099	1.99	AS3405-41	3.365-3.385	2.494	2.625	5.06
AS3405-12	.865-.885	.025	.125	2.06	AS3405-42	3.490-3.510	2.619	2.750	5.22
AS3405-13	.928-.948	.057	.188	2.13	AS3405-43	3.615-3.635	2.744	2.875	5.36
AS3405-14	.990-1.010	.119	.250	2.20	AS3405-44	3.740-3.760	2.869	3.000	5.52
AS3405-15	1.052-1.072	.181	.312	2.29	AS3405-45	3.865-3.885	2.994	3.125	5.66
AS3405-16	1.115-1.135	.244	.375	2.36	AS3405-46	3.990-4.010	3.119	3.250	5.82
AS3405-17	1.178-1.198	.307	.438	2.43	AS3405-47	4.115-4.135	3.244	3.375	5.96
AS3405-18	1.240-1.260	.369	.500	2.50	AS3405-48	4.240-4.260	3.369	3.500	6.12
AS3405-19	1.302-1.322	.431	.562	2.59	AS3405-49	4.365-4.385	3.494	3.625	6.26
AS3405-20	1.365-1.385	.494	.625	2.66	AS3405-50	4.490-4.510	3.619	3.750	6.42
AS3405-21	1.428-1.448	.557	.688	2.73	AS3405-51	4.615-4.635	3.744	3.875	6.56
AS3405-22	1.490-1.510	.619	.750	2.80	AS3405-52	4.740-4.760	3.869	4.000	6.72
AS3405-23	1.552-1.572	.681	.812	2.89	AS3405-53	4.865-4.885	3.994	4.125	6.86
AS3405-24	1.615-1.635	.744	.875	2.96	AS3405-54	4.990-5.010	4.119	4.250	7.02
AS3405-25	1.678-1.698	.807	.938	3.03	AS3405-55	5.115-5.135	4.244	4.375	7.16
AS3405-26	1.740-1.760	.869	1.000	3.10	AS3405-56	5.240-5.260	4.369	4.500	7.32
AS3405-27	1.802-1.822	.931	1.062	3.19	AS3405-57	5.365-5.385	4.494	4.625	7.46
AS3405-28	1.865-1.885	.994	1.125	3.26	AS3405-58	5.490-5.510	4.619	4.750	7.62
AS3405-29	1.928-1.948	1.057	1.188	3.33	AS3405-59	5.615-5.635	4.744	4.875	7.76
AS3405-30	1.990-2.010	1.119	1.250	3.40	AS3405-60	5.740-5.760	4.869	5.000	7.92
AS3405-31	2.115-2.135	1.244	1.375	3.56	AS3405-61	5.865-5.885	4.994	5.135	8.06
AS3405-32	2.240-2.260	1.369	1.500	3.70	AS3405-62	5.990-6.010	5.119	5.250	8.22
AS3405-33	2.365-2.385	1.494	1.625	3.86					

NOTES:

- 1/ FOR PART NUMBERS AS3405-04 THRU AS3405-18 DATUM **A** SHALL REPLACE DATUM **B**.
2. MATERIAL: AMS5708 CORROSION AND HEAT RESISTANT NICKEL ALLOY (COMPOSITION SIMILAR TO UNS N07001).
3. PROCUREMENT SPECIFICATION: AS7471.
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 TO BE 250 MICROINCHES Ra.
6. BREAK SHARP EDGES .003 TO .015 UNLESS OTHERWISE SPECIFIED.
7. DIMENSIONS IN INCHES. UNLESS OTHERWISE SPECIFIED, TOLERANCES: ANGULAR DIMENSIONS $\pm 5^\circ$.
8. DIMENSIONS AND TOLERANCING ANSI Y14.5M-1982 (ASME PUBLICATION).
9. DO NOT USE UNASSIGNED PART NUMBERS.

	AEROSPACE STANDARD	AS3405™ SHEET 2 OF 3	REV. A
	BOLT, MACHINE - HEXAGON HEAD, DRILLED 6 HOLES, PD SHANK, AMS5708 (UNS N07001), .2500-28 UNJF-3A		