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REV.
C

AS3414™

FEDERAL SUPPLY CLASS
5306

RATIONALE

UPDATE TO ASME Y14.5-2018, REVISE LEAD THREAD CHAMFER TO AS1132, ADD SURFACE TEXTURE REQUIREMENT TO BOLT HEAD, REVISE FILLET RADIUS TO "CR," GENERAL EDITORIAL UPDATES.

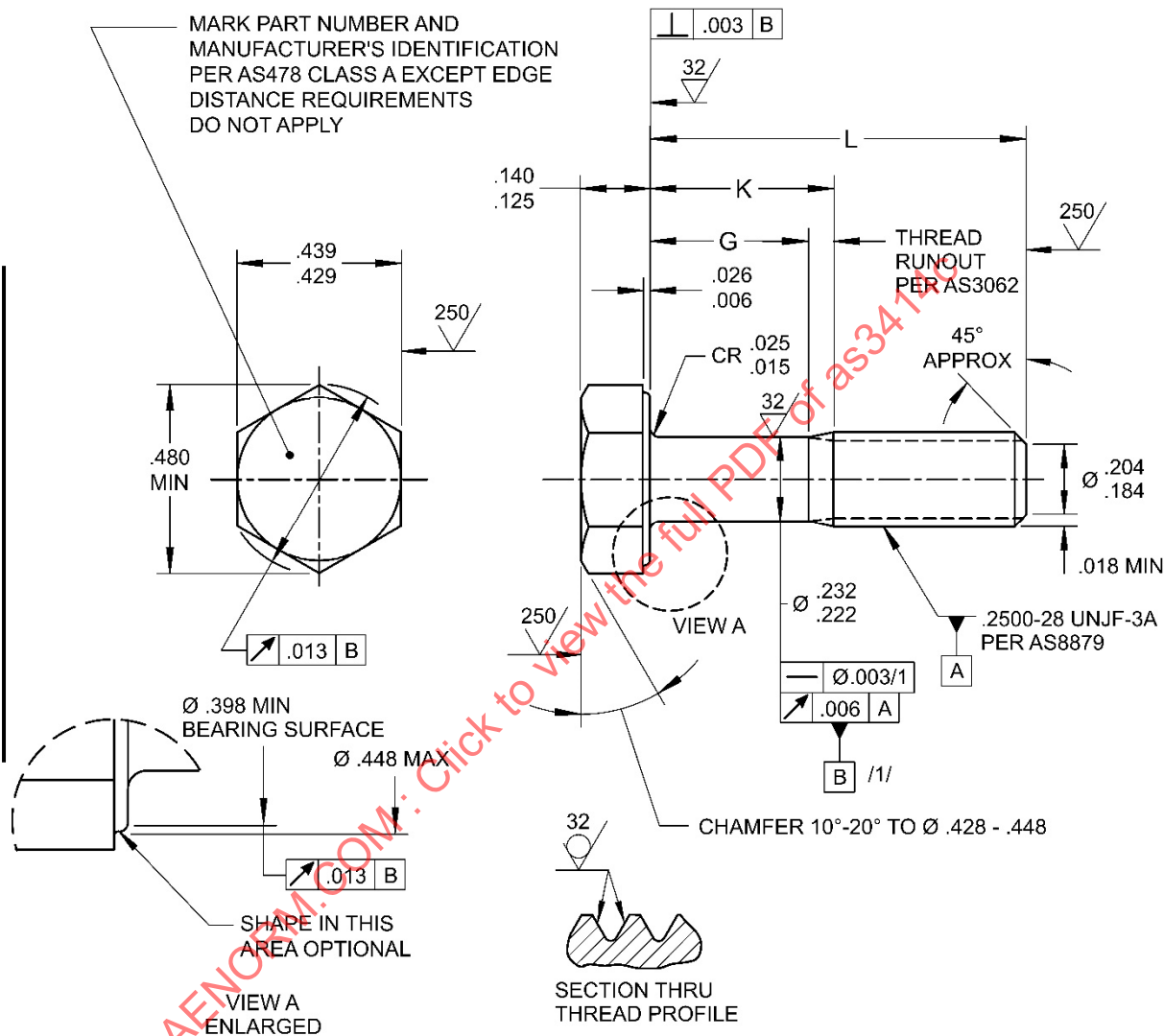
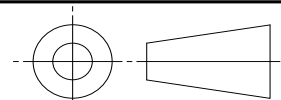


FIGURE 1 - BOLT

For more information on this standard, visit
<https://www.sae.org/standards/content/AS3414C/>

THIRD ANGLE PROJECTION



CUSTODIAN: E-25

PROCUREMENT SPECIFICATION: AS7467 /3/



AEROSPACE STANDARD

BOLT, MACHINE - HEXAGON HEAD, PD SHANK
UNS N07718, 185 KSI, .2500-28 UNJF-3A
(STRESS RUPTURE RESISTANT)

AS3414™
SHEET 1 OF 3

REV.
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ISSUED 1985-12 REAFFIRMED 2006-05 REVISED 2022-02

TABLE 1 - DIMENSIONS L, G, K, AND APPROXIMATE MASS

PART NUMBER	L	G MIN	K MAX	APPROX MASS LB/100
AS3414-04	.365- .385	.025	.099	1.06
AS3414-05	.428- .448	.025	.099	1.13
AS3414-06	.490- .510	.025	.099	1.20
AS3414-07	.552- .572	.025	.099	1.27
AS3414-08	.615- .635	.025	.099	1.34
AS3414-09	.678- .698	.025	.099	1.42
AS3414-10	.740- .760	.025	.099	1.49
AS3414-11	.802- .822	.025	.099	1.56
AS3414-12	.865- .885	.025	.125	1.63
AS3414-13	.928- .948	.057	.188	1.71
AS3414-14	.990-1.010	.119	.250	1.79
AS3414-15	1.052-1.072	.181	.312	1.86
AS3414-16	1.115-1.135	.244	.375	1.94
AS3414-17	1.178-1.198	.307	.438	2.01
AS3414-18	1.240-1.260	.369	.500	2.09
AS3414-19	1.302-1.322	.431	.562	2.16
AS3414-20	1.365-1.385	.494	.625	2.24
AS3414-21	1.428-1.448	.557	.688	2.31
AS3414-22	1.490-1.510	.619	.750	2.39
AS3414-23	1.552-1.572	.681	.812	2.46
AS3414-24	1.615-1.635	.744	.875	2.54
AS3414-25	1.678-1.698	.807	.938	2.61
AS3414-26	1.740-1.760	.869	1.000	2.69
AS3414-27	1.802-1.822	.931	1.062	2.76
AS3414-28	1.865-1.885	.994	1.125	2.84
AS3414-29	1.928-1.948	1.057	1.188	2.91
AS3414-30	1.990-2.010	1.119	1.250	2.99
AS3414-31	2.115-2.135	1.244	1.375	3.14
AS3414-32	2.240-2.260	1.369	1.500	3.29
AS3414-33	2.365-2.385	1.494	1.625	3.44
AS3414-34	2.490-2.510	1.619	1.750	3.59
AS3414-35	2.615-2.635	1.744	1.875	3.74
AS3414-36	2.740-2.760	1.869	2.000	3.89
AS3414-37	2.865-2.885	1.994	2.125	4.04
AS3414-38	2.990-3.010	2.119	2.250	4.19
AS3414-39	3.115-3.135	2.244	2.375	4.34
AS3414-40	3.240-3.260	2.369	2.500	4.49
AS3414-41	3.365-3.385	2.494	2.625	4.64
AS3414-42	3.490-3.510	2.619	2.750	4.79
AS3414-43	3.615-3.635	2.744	2.875	4.94
AS3414-44	3.740-3.760	2.869	3.000	5.09
AS3414-45	3.865-3.885	2.994	3.125	5.24
AS3414-46	3.990-4.010	3.119	3.250	5.39
AS3414-47	4.115-4.135	3.244	3.375	5.54
AS3414-48	4.240-4.260	3.369	3.500	5.69
AS3414-49	4.365-4.385	3.494	3.625	5.85
AS3414-50	4.490-4.510	3.619	3.750	5.99
AS3414-51	4.615-4.635	3.744	3.875	6.15
AS3414-52	4.740-4.760	3.869	4.000	6.29
AS3414-53	4.865-4.885	3.994	4.125	6.45