

RATIONALE

UPDATE THREAD SPECIFICATION TO AS8879, UPDATE TO ANSI Y14.5M-1982, REVISE FPI REQUIREMENTS TO ASTM E1417/1417M, ADD TERTIARY DATUM IN HOLE POSITION FEATURE CONTROL FRAME, REVISE ACROSS POINTS DIMENSION, CHANGE DIMENSION FOR HOLE LOCATION TO BASIC, ADD EDGE DISTANCE EXCEPTION FOR HEAD MARKING, ADD AS3062 FOR THREAD RUNOUT, ADD SURFACE TEXTURE SYMBOLS PER ASME Y14.36M, REMOVE METRIC DIMENSIONS, FIGURE 1 REDRAWN AND GENERAL EDITORIAL UPDATE.

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AS3109

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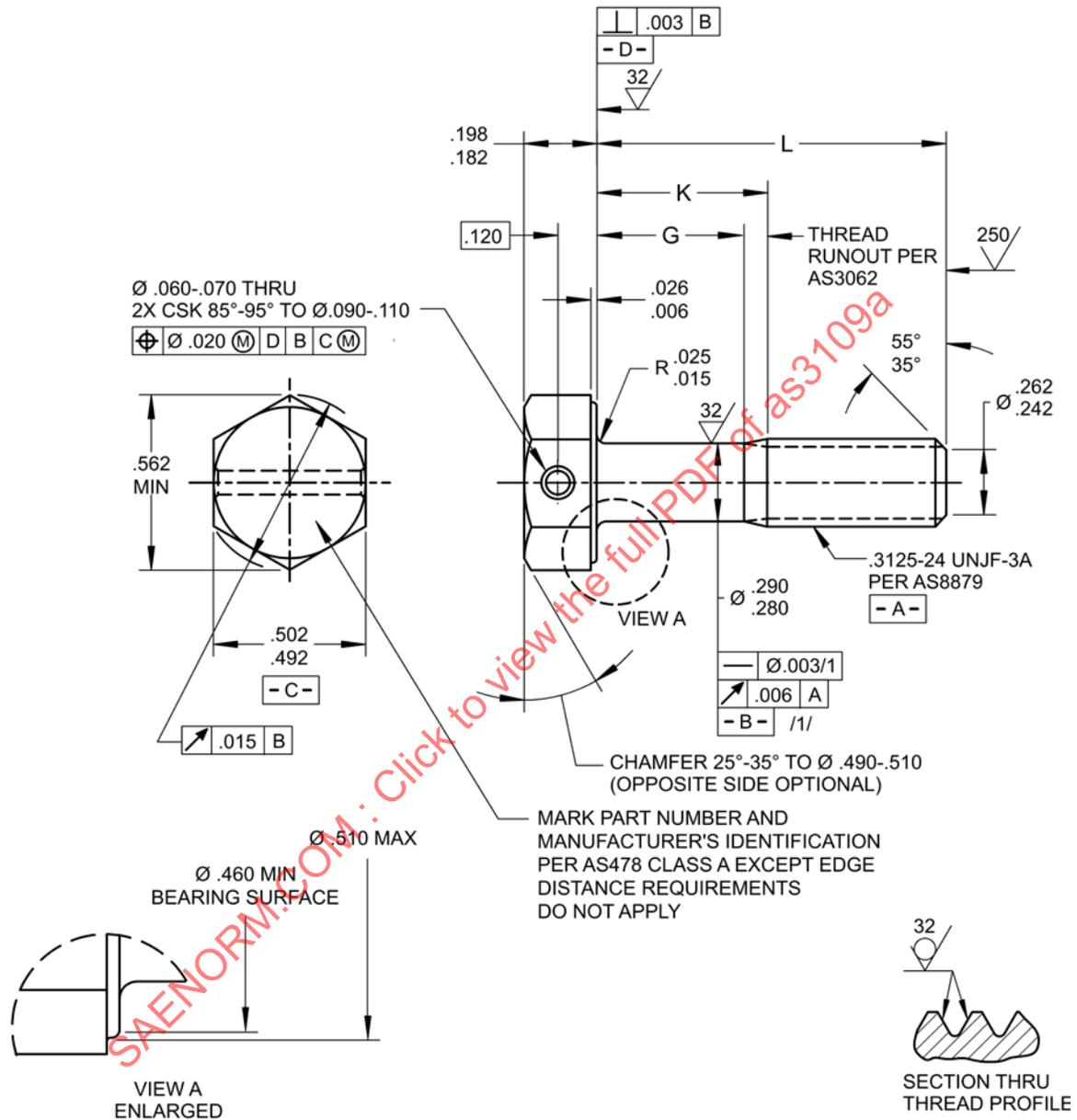
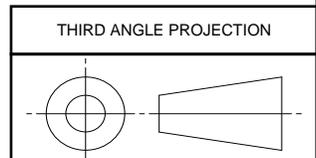


FIGURE 1 - BOLT

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CUSTODIAN: E-25

PROCUREMENT SPECIFICATION: AS7477



AEROSPACE STANDARD

(R) BOLT, MACHINE - HEXAGON HEAD, DRILLED 1 HOLE, PD SHANK, CRES AMS5731 (UNS S66286), .3125-24 UNJF-3A

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TABLE 1 – PART NUMBERS AND DIMENSIONS L, G, K, AND APPROX MASS

PART NUMBER	L	G MIN	K MAX	APPROX MASS LB/100
AS3109-13	1.052-1.072	.044	.188	2.97
AS3109-14	1.115-1.135	.107	.250	3.08
AS3109-15	1.178-1.198	.170	.312	3.20
AS3109-16	1.240-1.260	.232	.375	3.31
AS3109-17	1.302-1.322	.294	.438	3.43
AS3109-18	1.365-1.385	.357	.500	3.54
AS3109-19	1.428-1.448	.420	.562	3.65
AS3109-20	1.490-1.510	.482	.625	3.77
AS3109-21	1.552-1.572	.544	.688	3.88
AS3109-22	1.615-1.635	.607	.750	4.00
AS3109-23	1.678-1.698	.670	.812	4.11
AS3109-24	1.740-1.760	.732	.875	4.23
AS3109-25	1.802-1.822	.794	.938	4.34
AS3109-26	1.865-1.885	.857	1.000	4.46
AS3109-27	1.928-1.948	.920	1.062	4.57
AS3109-28	1.990-2.010	.982	1.125	4.68
AS3109-29	2.115-2.135	1.107	1.250	4.91
AS3109-30	2.240-2.260	1.232	1.375	5.14
AS3109-31	2.365-2.385	1.375	1.500	5.37
AS3109-32	2.490-2.510	1.482	1.625	5.60
AS3109-33	2.615-2.635	1.607	1.750	5.83
AS3109-34	2.740-2.760	1.732	1.875	6.06
AS3109-35	2.865-2.885	1.857	2.000	6.29
AS3109-36	2.990-3.010	1.982	2.125	6.51
AS3109-37	3.115-3.135	2.107	2.250	6.74
AS3109-38	3.240-3.260	2.232	2.375	6.97
AS3109-39	3.365-3.385	2.357	2.500	7.20
AS3109-40	3.490-3.510	2.482	2.625	7.43
AS3109-41	3.615-3.635	2.607	2.750	7.66
AS3109-42	3.740-3.760	2.732	2.875	7.89
AS3109-43	3.865-3.885	2.857	3.000	8.12
AS3109-44	3.990-4.010	2.982	3.125	8.35
AS3109-45	4.115-4.135	3.107	3.250	8.57
AS3109-46	4.240-4.260	3.232	3.375	8.80
AS3109-47	4.365-4.385	3.357	3.500	9.03
AS3109-48	4.490-4.510	3.482	3.625	9.26
AS3109-49	4.615-4.635	3.607	3.750	9.49
AS3109-50	4.740-4.760	3.732	3.875	9.72
AS3109-51	4.865-4.885	3.857	4.000	9.95
AS3109-52	4.990-5.010	3.982	4.125	10.18
AS3109-53	5.115-5.135	4.107	4.250	10.41
AS3109-54	5.240-5.260	4.232	4.375	10.63
AS3109-55	5.365-5.385	4.357	4.500	10.86
AS3109-56	5.490-5.510	4.482	4.625	11.09
AS3109-57	5.615-5.635	4.607	4.750	11.32
AS3109-58	5.740-5.760	4.732	4.875	11.55
AS3109-59	5.865-5.885	4.857	5.000	11.77
AS3109-60	5.990-6.010	4.982	5.125	12.00

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