

REV. A

AS3176

FEDERAL SUPPLY CLASS

RATIONALE

REVISE THREAD SPECIFICATION TO AS8879. REVISE LIGHTENING HOLE CONFIGURATION (ADD SECTION VIEW) TO ALLOW OPTIONAL SHAPE AT BOTTOM OF HOLE, DELETE .015 MAX RADIUS AT BASE OF WRENCH PAD, UPDATE FPI REQUIREMENTS, ADD SURFACE FINISH REQUIREMENTS TO BOLT HEAD, ADD MIN. BEARING DIA, DELETE METRIC DIMENSIONS, UPDATE ANSI Y14.5-1973 TO ANSI Y14.5M- 1982, GENERAL EDITORIAL UPDATE, REFERENCES UPDATED AND FIGURE 1 REDRAWN.

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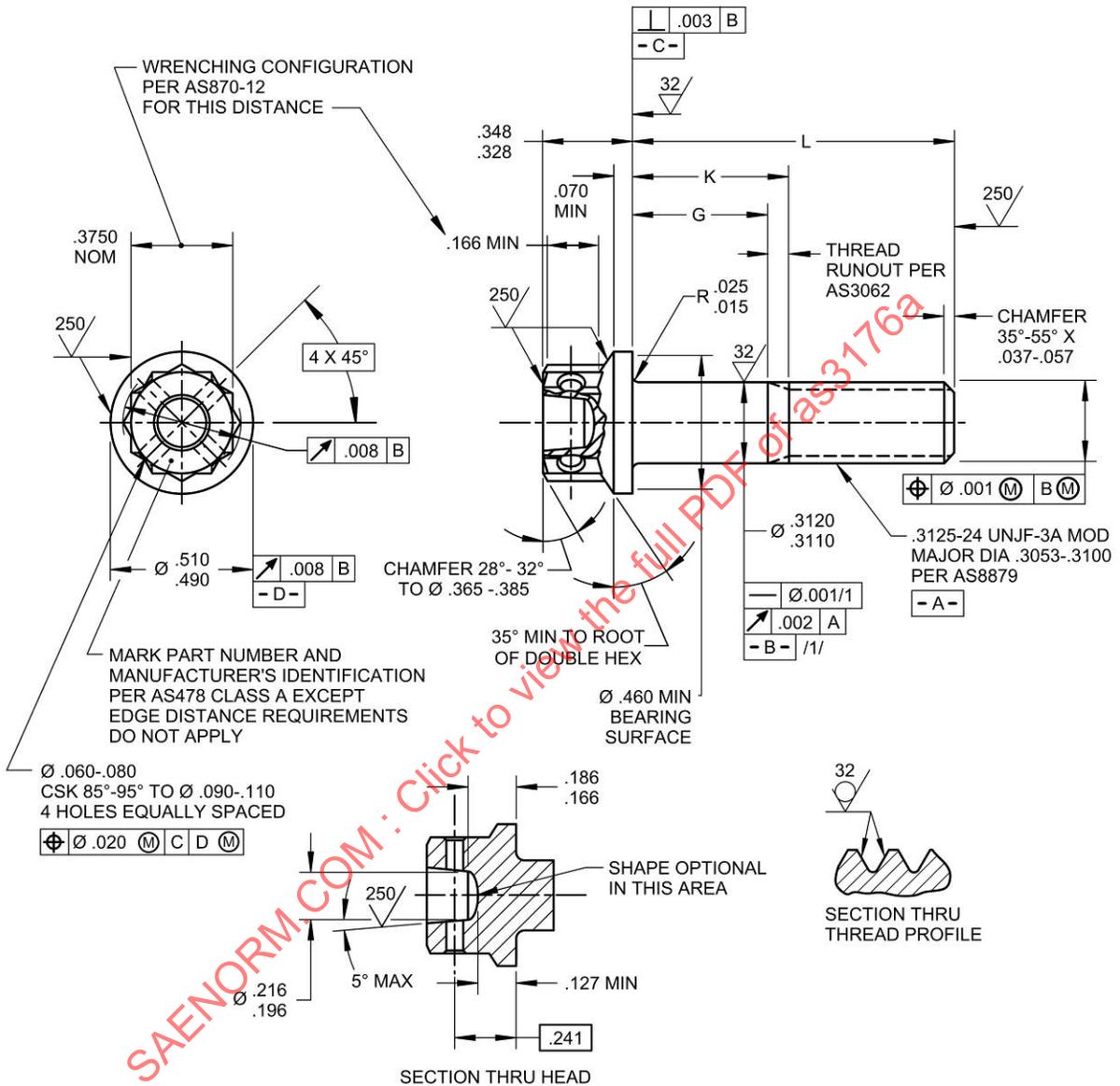
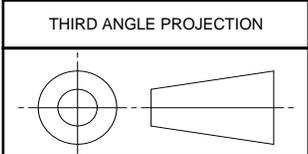


FIGURE 1 - BOLT

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CUSTODIAN: E-25

PROCUREMENT SPECIFICATION: AS7474 /7/



AEROSPACE STANDARD

BOLT, MACHINE - DOUBLE HEX EXTENDED WASHER HEAD, DRILLED, CLOSE TOL SHANK, AMS5643 (UNS S17400), 140 KSI, .3125-24 UNJF-3A

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ISSUED 1976-03 REAFFIRMED 2006-10 REVISED 2014-01

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
AS3176-03	.741- .761	.105	.198	2.50	AS3176-45	3.365-3.385	2.729	2.822	8.10
AS3176-04	.803- .823	.167	.260	2.63	AS3176-46	3.428-3.448	2.792	2.885	8.23
AS3176-05	.865- .885	.229	.322	2.77	AS3176-47	3.491-3.511	2.855	2.948	8.36
AS3176-06	.928- .948	.292	.385	2.90	AS3176-48	3.553-3.573	2.917	3.010	8.49
AS3176-07	.991-1.011	.355	.448	3.03	AS3176-49	3.615-3.635	2.979	3.072	8.63
AS3176-08	1.053-1.073	.417	.510	3.17	AS3176-50	3.678-3.698	3.042	3.135	8.77
AS3176-09	1.115-1.135	.479	.572	3.30	AS3176-51	3.741-3.761	3.105	3.198	8.90
AS3176-10	1.178-1.198	.542	.635	3.44	AS3176-52	3.803-3.823	3.167	3.260	9.03
AS3176-11	1.241-1.261	.605	.698	3.57	AS3176-53	3.865-3.885	3.229	3.322	9.16
AS3176-12	1.303-1.323	.667	.760	3.70	AS3176-54	3.928-3.948	3.292	3.385	9.30
AS3176-13	1.365-1.385	.729	.822	3.80	AS3176-55	3.991-4.011	3.355	3.448	9.43
AS3176-14	1.428-1.448	.792	.885	3.97	AS3176-56	4.053-4.073	3.417	3.510	9.56
AS3176-15	1.491-1.511	.855	.948	4.10	AS3176-57	4.115-4.135	3.479	3.572	9.69
AS3176-16	1.553-1.573	.917	1.010	4.23	AS3176-58	4.178-4.198	3.542	3.635	9.83
AS3176-17	1.615-1.635	.979	1.072	4.36	AS3176-59	4.241-4.261	3.605	3.698	9.96
AS3176-18	1.678-1.698	1.042	1.135	4.50	AS3176-60	4.303-4.323	3.667	3.760	10.09
AS3176-19	1.741-1.761	1.105	1.198	4.64	AS3176-61	4.365-4.385	3.729	3.822	10.22
AS3176-20	1.803-1.823	1.167	1.260	4.76	AS3176-62	4.428-4.448	3.792	3.885	10.36
AS3176-21	1.865-1.885	1.229	1.322	4.89	AS3176-63	4.491-4.511	3.855	3.948	10.50
AS3176-22	1.928-1.948	1.292	1.385	5.03	AS3176-64	4.553-4.573	3.917	4.010	10.63
AS3176-23	1.991-2.011	1.355	1.448	5.17	AS3176-65	4.615-4.635	3.979	4.072	10.76
AS3176-24	2.053-2.073	1.417	1.510	5.30	AS3176-66	4.678-4.698	4.042	4.135	10.89
AS3176-25	2.115-2.135	1.479	1.572	5.43	AS3176-67	4.741-4.761	4.105	4.198	11.03
AS3176-26	2.178-2.198	1.542	1.635	5.56	AS3176-68	4.803-4.823	4.167	4.260	11.16
AS3176-27	2.241-2.261	1.605	1.698	5.70	AS3176-69	4.865-4.885	4.229	4.322	11.29
AS3176-28	2.303-2.323	1.667	1.760	5.83	AS3176-70	4.928-4.948	4.292	4.385	11.42
AS3176-29	2.365-2.385	1.729	1.822	5.96	AS3176-71	4.991-5.011	4.355	4.448	11.56
AS3176-30	2.428-2.448	1.792	1.885	6.09	AS3176-72	5.053-5.073	4.417	4.510	11.70
AS3176-31	2.491-2.511	1.855	1.948	6.23	AS3176-73	5.115-5.135	4.479	4.572	11.83
AS3176-32	2.553-2.573	1.917	2.010	6.37	AS3176-74	5.178-5.198	4.542	4.635	11.96
AS3176-33	2.615-2.635	1.979	2.072	6.50	AS3176-75	5.241-5.261	4.605	4.698	12.09
AS3176-34	2.678-2.698	2.042	2.135	6.59	AS3176-76	5.303-5.323	4.667	4.760	12.23
AS3176-35	2.741-2.761	2.105	2.198	6.76	AS3176-77	5.365-5.385	4.729	4.822	12.36
AS3176-36	2.803-2.823	2.167	2.260	6.90	AS3176-78	5.428-5.448	4.792	4.885	12.49
AS3176-37	2.865-2.885	2.229	2.322	7.03	AS3176-79	5.491-5.511	4.855	4.948	12.62
AS3176-38	2.928-2.948	2.292	2.385	7.16	AS3176-80	5.553-5.573	4.917	5.010	12.76
AS3176-39	2.991-3.011	2.355	2.448	7.29	AS3176-81	5.615-5.635	4.979	5.072	12.89
AS3176-40	3.053-3.073	2.417	2.510	7.43	AS3176-82	5.678-5.698	5.042	5.135	13.03
AS3176-41	3.115-3.135	2.479	2.572	7.56					
AS3176-42	3.178-3.198	2.542	2.635	7.70					
AS3176-43	3.241-3.261	2.605	2.698	7.83					
AS3176-44	3.303-3.323	2.667	2.760	7.96					


AEROSPACE STANDARD

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 WASHER HEAD, DRILLED, CLOSE TOL SHANK,
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