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REV.
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AS3179

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.

FEDERAL SUPPLY CLASS

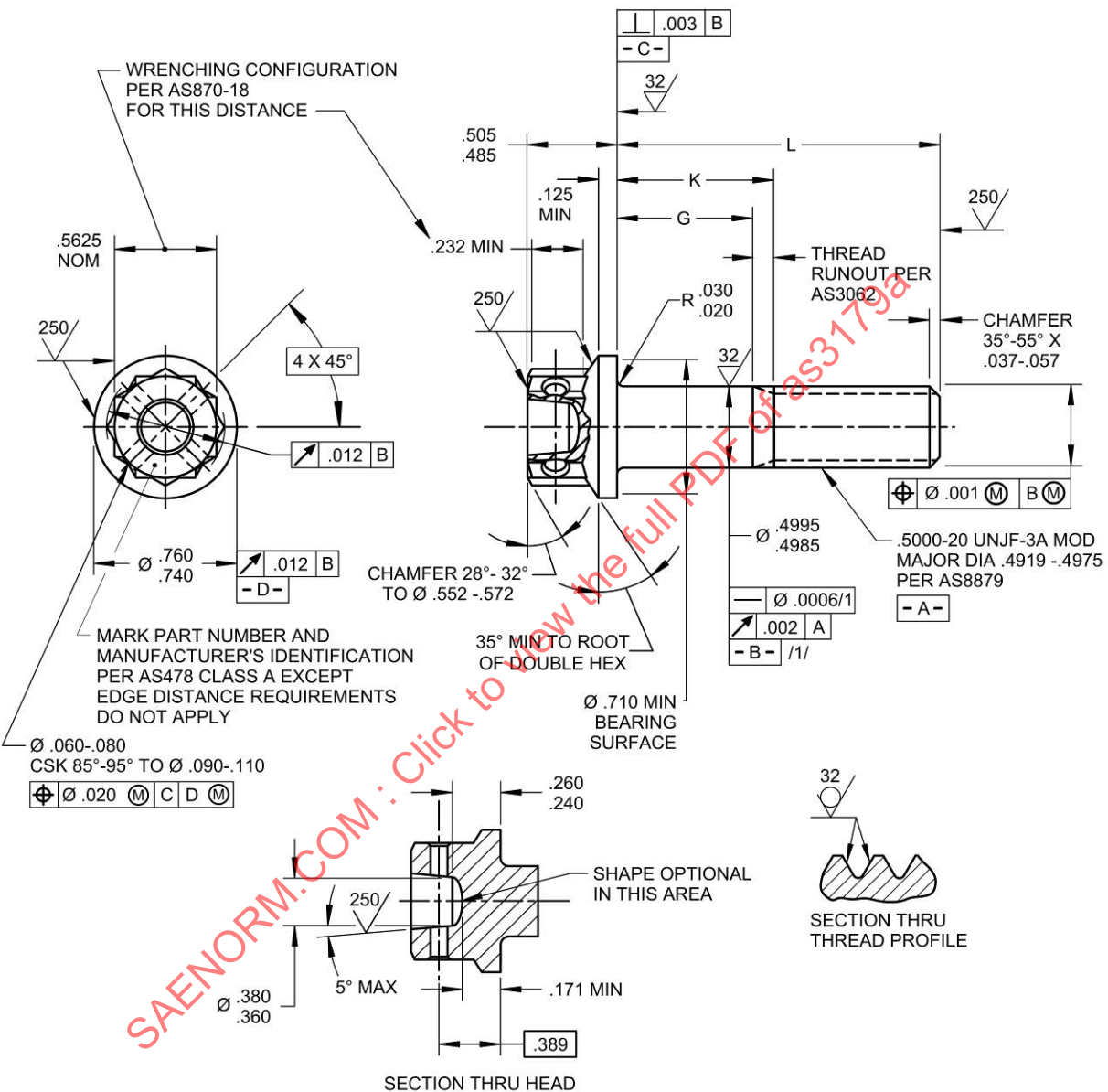
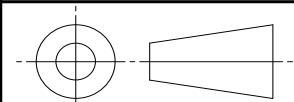


FIGURE 1 - BOLT

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THIRD ANGLE PROJECTION



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, .5000-20 UNJF-3A

AS3179
SHEET 1 OF 3

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ISSUED 1976-03 REAFFIRMED 2006-10 REVISED 2014-04

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
AS3179-03	.974-.994	.088	.198	8.34	AS3179-45	3.598-3.618	2.712	2.822	22.70
AS3179-04	1.036-1.056	.150	.260	8.68	AS3179-46	3.661-3.681	2.775	2.885	23.04
AS3179-05	1.098-1.118	.212	.322	9.01	AS3179-47	3.724-3.744	2.838	2.948	23.29
AS3179-06	1.161-1.181	.275	.385	9.36	AS3179-48	3.786-3.806	2.900	3.010	23.73
AS3179-07	1.224-1.244	.338	.448	9.71	AS3179-49	3.848-3.868	2.962	3.072	24.07
AS3179-08	1.286-1.306	.400	.510	10.04	AS3179-50	3.911-3.931	3.025	3.135	24.41
AS3179-09	1.348-1.368	.462	.572	10.38	AS3179-51	3.974-3.994	3.088	3.198	24.76
AS3179-10	1.411-1.431	.525	.635	10.73	AS3179-52	4.036-4.056	3.150	3.260	25.10
AS3179-11	1.474-1.494	.588	.698	11.07	AS3179-53	4.098-4.118	3.212	3.322	25.43
AS3179-12	1.536-1.556	.650	.760	11.41	AS3179-54	4.161-4.181	3.275	3.385	25.78
AS3179-13	1.598-1.618	.712	.822	11.75	AS3179-55	4.224-4.244	3.338	3.448	26.12
AS3179-14	1.661-1.681	.775	.885	12.10	AS3179-56	4.286-4.306	3.400	3.510	26.46
AS3179-15	1.724-1.744	.838	.948	12.44	AS3179-57	4.348-4.368	3.462	3.572	26.80
AS3179-16	1.786-1.806	.900	1.010	12.78	AS3179-58	4.411-4.431	3.525	3.635	27.15
AS3179-17	1.848-1.868	.962	1.072	13.12	AS3179-59	4.474-4.494	3.588	3.698	27.49
AS3179-18	1.911-1.931	1.025	1.135	13.46	AS3179-60	4.536-4.556	3.650	3.760	27.83
AS3179-19	1.974-1.994	1.088	1.198	13.81	AS3179-61	4.598-4.618	3.712	3.822	28.17
AS3179-20	2.036-2.056	1.150	1.260	14.15	AS3179-62	4.661-4.681	3.775	3.885	28.52
AS3179-21	2.098-2.118	1.212	1.322	14.48	AS3179-63	4.724-4.744	3.838	3.948	28.86
AS3179-22	2.161-2.181	1.275	1.385	14.83	AS3179-64	4.786-4.806	3.900	4.010	29.20
AS3179-23	2.224-2.244	1.338	1.448	15.17	AS3179-65	4.848-4.868	3.962	4.072	29.54
AS3179-24	2.286-2.306	1.400	1.510	15.51	AS3179-66	4.911-4.931	4.025	4.135	29.88
AS3179-25	2.348-2.368	1.462	1.572	15.85	AS3179-67	4.974-4.994	4.088	4.198	30.23
AS3179-26	2.411-2.431	1.525	1.635	16.20	AS3179-68	5.036-5.056	4.150	4.260	30.56
AS3179-27	2.474-2.494	1.588	1.698	16.54	AS3179-69	5.098-5.118	4.212	4.322	30.90
AS3179-28	2.536-2.556	1.650	1.760	16.88	AS3179-70	5.161-5.181	4.275	4.385	31.25
AS3179-29	2.598-2.618	1.712	1.822	17.23	AS3179-71	5.224-5.244	4.338	4.448	31.59
AS3179-30	2.661-2.681	1.775	1.885	17.57	AS3179-72	5.286-5.306	4.400	4.510	31.93
AS3179-31	2.724-2.744	1.838	1.948	17.92	AS3179-73	5.348-5.368	4.462	4.572	32.27
AS3179-32	2.786-2.806	1.900	2.010	18.26	AS3179-74	5.411-5.431	4.525	4.635	32.62
AS3179-33	2.848-2.868	1.962	2.072	18.60	AS3179-75	5.474-5.494	4.588	4.698	32.96
AS3179-34	2.911-2.931	2.025	2.135	18.94	AS3179-76	5.536-5.556	4.650	4.760	33.30
AS3179-35	2.974-2.994	2.088	2.198	19.29					
AS3179-36	3.036-3.056	2.150	2.260	19.62					
AS3179-37	3.098-3.118	2.212	2.322	19.96					
AS3179-38	3.161-3.181	2.275	2.385	20.31					
AS3179-39	3.224-3.244	2.338	2.448	20.66					
AS3179-40	3.286-3.306	2.400	2.510	20.99					
AS3179-41	3.348-3.368	2.462	2.572	21.33					
AS3179-42	3.411-3.431	2.525	2.635	21.68					
AS3179-43	3.474-3.494	2.588	2.698	22.02					
AS3179-44	3.536-3.556	2.650	2.760	22.36					



AEROSPACE STANDARD

BOLT, MACHINE - DOUBLE HEX EXTENDED
WASHER HEAD, DRILLED, CLOSE TOL SHANK,
AMS5643 (UNS S17400), 140 KSI, .5000-20 UNJF-3A

AS3179
SHEET 2 OF 3

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