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REV.
B

AS3178™

RATIONALE

FEDERAL SUPPLY CLASS
5306

RELOCATE DATUM D, ADD TERTIARY DATUM CONTROL FOR DRILLED HOLES, REFORMAT DRILLED HOLE CALLOUT, REVISE LEAD THREAD CHAMFER, NOTE 7 REFERENCE UPDATED, ADD DATUM C TO POSITION FEATURE CONTROL FRAME FOR MAJOR DIAMETER, FOR AS3178-50, CORRECT TYPO IN L DIM FROM "3.812-2.832" TO "3.812-3.832", ADD NEW NOTE FOR DISPOSITION OF EXISTING INVENTORY, GENERAL EDITORIAL REVISIONS.

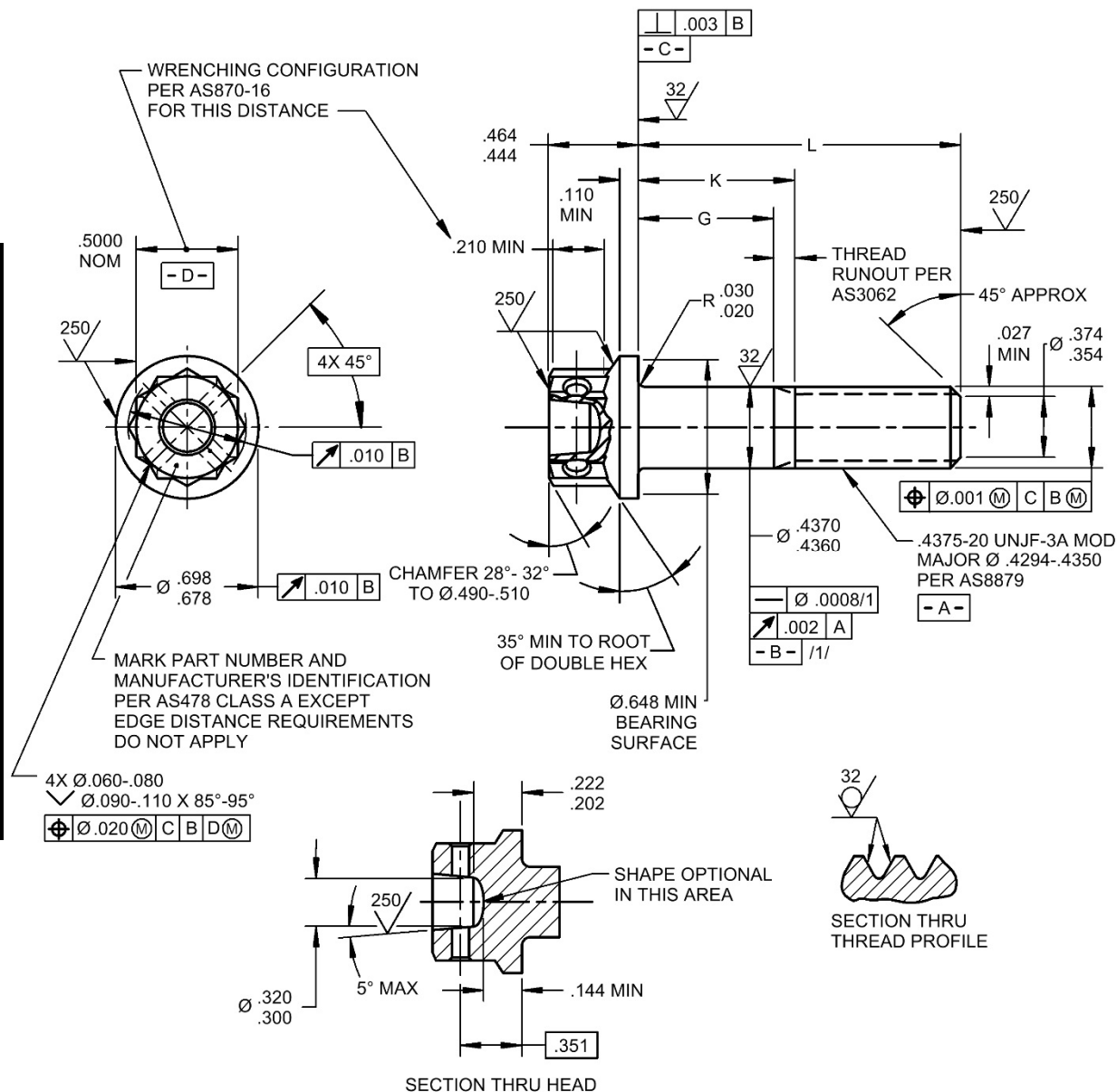


FIGURE 1 - BOLT

SAE values your input. To provide feedback on this Technical Report, please visit <http://standards.sae.org/AS3178B>

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, .4375-20 UNJF-3A

AS3178™
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Documents

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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
AS3178-03	.875-.895	.088	.198	5.99	AS3178-45	3.499-3.519	2.712	2.822	16.97
AS3178-04	.937-.957	.150	.260	6.25	AS3178-46	3.562-3.582	2.775	2.885	17.23
AS3178-05	.999-1.019	.212	.322	6.51	AS3178-47	3.625-3.645	2.838	2.948	17.50
AS3178-06	1.062-1.082	.275	.385	6.77	AS3178-48	3.687-3.707	2.900	3.010	17.75
AS3178-07	1.125-1.145	.338	.448	7.04	AS3178-49	3.749-3.769	2.962	3.072	18.02
AS3178-08	1.187-1.207	.400	.510	7.29	AS3178-50	3.812-3.832	3.025	3.135	18.28
AS3178-09	1.249-1.269	.462	.572	7.56	AS3178-51	3.875-3.895	3.088	3.198	18.55
AS3178-10	1.312-1.332	.525	.635	7.82	AS3178-52	3.937-3.957	3.150	3.260	18.80
AS3178-11	1.375-1.395	.588	.698	8.06	AS3178-53	3.999-4.019	3.212	3.322	19.07
AS3178-12	1.437-1.457	.650	.760	8.34	AS3178-54	4.062-4.082	3.275	3.385	19.33
AS3178-13	1.499-1.519	.712	.822	8.61	AS3178-55	4.125-4.145	3.338	3.448	19.59
AS3178-14	1.562-1.582	.775	.885	8.86	AS3178-56	4.187-4.207	3.400	3.510	19.85
AS3178-15	1.625-1.645	.838	.948	9.13	AS3178-57	4.249-4.269	3.462	3.572	20.11
AS3178-16	1.687-1.707	.900	1.010	9.39	AS3178-58	4.312-4.332	3.525	3.635	20.37
AS3178-17	1.749-1.769	.962	1.072	9.65	AS3178-59	4.375-4.395	3.588	3.698	20.64
AS3178-18	1.812-1.832	1.025	1.135	9.91	AS3178-60	4.437-4.457	3.650	3.760	20.90
AS3178-19	1.875-1.895	1.088	1.198	10.18	AS3178-61	4.499-4.519	3.712	3.822	21.16
AS3178-20	1.937-1.957	1.150	1.260	10.43	AS3178-62	4.562-4.582	3.775	3.885	21.42
AS3178-21	1.999-2.019	1.212	1.322	10.70	AS3178-63	4.625-4.645	3.838	3.948	21.69
AS3178-22	2.062-2.082	1.275	1.385	10.96	AS3178-64	4.687-4.707	3.900	4.010	21.94
AS3178-23	2.125-2.145	1.338	1.448	11.22	AS3178-65	4.749-4.769	3.962	4.072	22.21
AS3178-24	2.187-2.207	1.400	1.510	11.48	AS3178-66	4.812-4.832	4.025	4.135	22.47
AS3178-25	2.249-2.269	1.462	1.572	11.74	AS3178-67	4.875-4.895	4.088	4.198	22.73
AS3178-26	2.312-2.332	1.525	1.635	12.00	AS3178-68	4.937-4.957	4.150	4.260	22.99
AS3178-27	2.375-2.395	1.588	1.698	12.26	AS3178-69	4.999-5.019	4.212	4.322	23.24
AS3178-28	2.437-2.457	1.650	1.760	12.53	AS3178-70	5.062-5.082	4.275	4.385	23.51
AS3178-29	2.499-2.519	1.712	1.822	12.78	AS3178-71	5.125-5.145	4.338	4.448	23.77
AS3178-30	2.562-2.582	1.775	1.885	13.05	AS3178-72	5.187-5.207	4.400	4.510	24.04
AS3178-31	2.625-2.645	1.838	1.948	13.32	AS3178-73	5.249-5.269	4.462	4.572	24.29
AS3178-32	2.687-2.707	1.900	2.010	13.58	AS3178-74	5.312-5.332	4.525	4.635	24.56
AS3178-33	2.749-2.769	1.962	2.072	13.83	AS3178-75	5.375-5.395	4.588	4.698	24.82
AS3178-34	2.812-2.832	2.025	2.135	14.10	AS3178-76	5.437-5.457	4.650	4.760	25.08
AS3178-35	2.875-2.895	2.088	2.198	14.36	AS3178-77	5.499-5.519	4.712	4.822	25.34
AS3178-36	2.937-2.957	2.150	2.260	14.62	AS3178-78	5.562-5.582	4.775	4.885	25.61
AS3178-37	2.999-3.019	2.212	2.322	14.88					
AS3178-38	3.062-3.082	2.275	2.385	15.15					
AS3178-39	3.125-3.145	2.338	2.448	15.40					
AS3178-40	3.187-3.207	2.400	2.510	15.67					
AS3178-41	3.249-3.269	2.462	2.572	15.93					
AS3178-42	3.312-3.332	2.525	2.635	16.19					
AS3178-43	3.375-3.395	2.588	2.698	16.45					
AS3178-44	3.437-3.457	2.650	2.760	16.71					



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AMS5643 (UNS S17400), 140 KSI, .4375-20 UNJF-3A

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