

RATIONALE

REVISED LEAD THREAD CHAMFER TO AS1132. UPDATED TO ASME Y14.5-2018. ADDED NOTE FOR EXISTING INVENTORY.

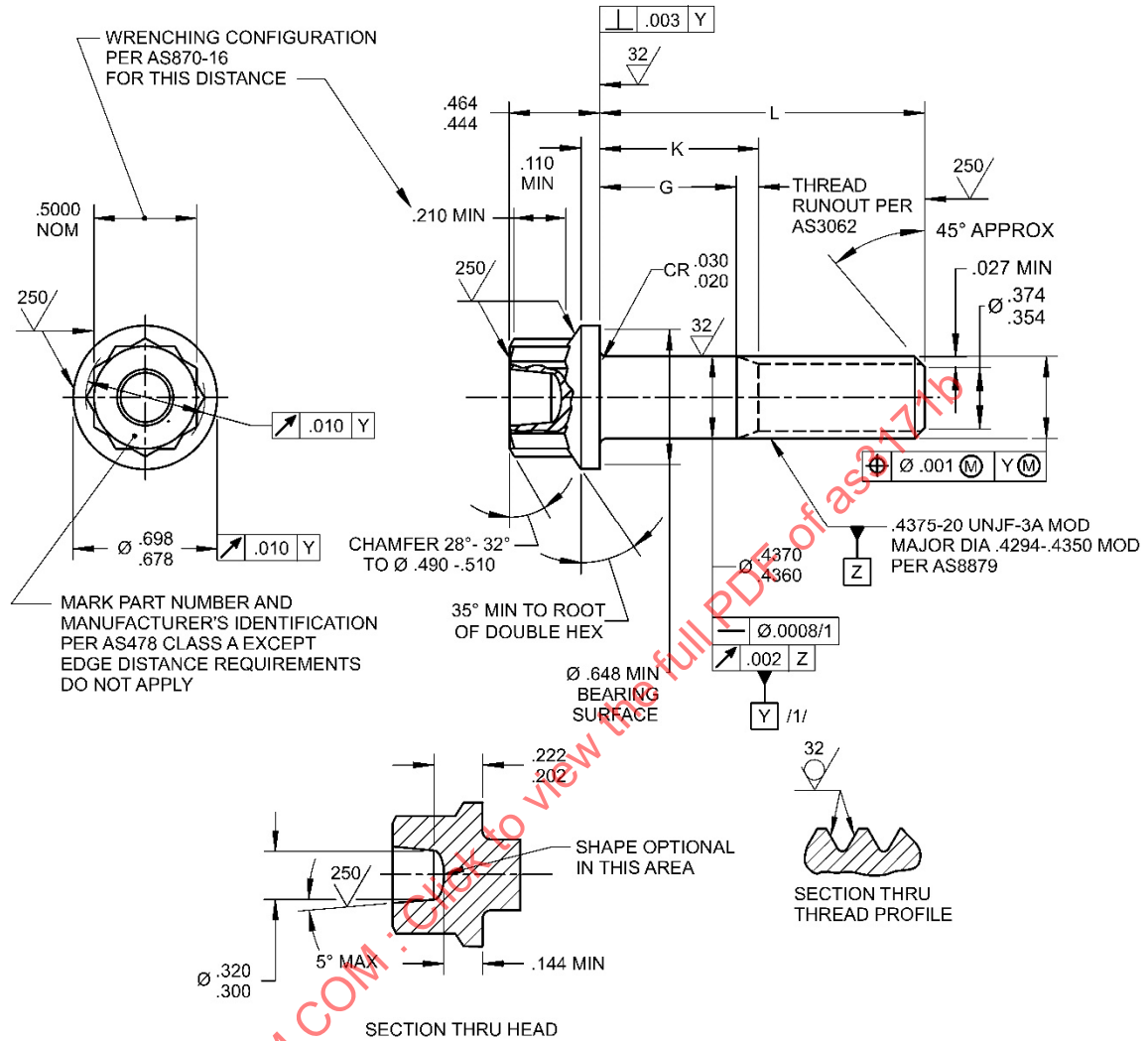
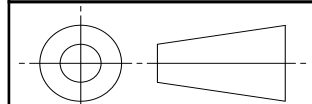


FIGURE 1 - BOLT

For more information on this standard, visit
<https://www.sae.org/standards/content/AS3171B/>

THIRD ANGLE PROJECTION



CUSTODIAN: E-25

PROCUREMENT SPECIFICATION: AS7474 /8/



AEROSPACE STANDARD

BOLT, MACHINE - DOUBLE HEX EXTENDED
WASHER HEAD, CLOSE TOLERANCE SHANK,
AMS5643 (UNS S17400), .4375-20, UNJF-3A

AS3171™
SHEET 1 OF 3

REV.
B

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
AS3171-03	.875-.895	.088	.198	6.03	AS3171-45	3.499-3.519	2.712	2.822	17.01
AS3171-04	.937-.957	.150	.260	6.29	AS3171-46	3.562-3.582	2.775	2.885	17.27
AS3171-05	.999-1.019	.212	.322	6.55	AS3171-47	3.625-3.645	2.838	2.948	17.54
AS3171-06	1.062-1.082	.275	.385	6.81	AS3171-48	3.687-3.707	2.900	3.010	17.79
AS3171-07	1.125-1.145	.338	.448	7.08	AS3171-49	3.749-3.769	2.962	3.072	18.06
AS3171-08	1.187-1.207	.400	.510	7.33	AS3171-50	3.812-2.832	3.025	3.135	18.32
AS3171-09	1.249-1.269	.462	.572	7.60	AS3171-51	3.875-3.895	3.088	3.198	18.59
AS3171-10	1.312-1.332	.525	.635	7.86	AS3171-52	3.937-3.957	3.150	3.260	18.84
AS3171-11	1.375-1.395	.588	.698	8.13	AS3171-53	3.999-4.019	3.212	3.322	19.11
AS3171-12	1.437-1.457	.650	.760	8.38	AS3171-54	4.062-4.082	3.275	3.385	19.37
AS3171-13	1.499-1.519	.712	.822	8.65	AS3171-55	4.125-4.145	3.338	3.448	19.63
AS3171-14	1.562-1.582	.775	.885	8.90	AS3171-56	4.187-4.207	3.400	3.510	19.89
AS3171-15	1.625-1.645	.838	.948	9.17	AS3171-57	4.249-4.269	3.462	3.572	20.15
AS3171-16	1.687-1.707	.900	1.010	9.43	AS3171-58	4.312-4.332	3.525	3.635	20.41
AS3171-17	1.749-1.769	.962	1.072	9.69	AS3171-59	4.375-4.395	3.588	3.698	20.68
AS3171-18	1.812-1.832	1.025	1.135	9.95	AS3171-60	4.437-4.457	3.650	3.760	20.94
AS3171-19	1.875-1.895	1.088	1.198	10.22	AS3171-61	4.499-4.519	3.712	3.822	21.20
AS3171-20	1.937-1.957	1.150	1.260	10.47	AS3171-62	4.562-4.582	3.775	3.885	21.46
AS3171-21	1.999-2.019	1.212	1.322	10.74	AS3171-63	4.625-4.645	3.838	3.948	21.73
AS3171-22	2.062-2.082	1.275	1.385	11.00	AS3171-64	4.687-4.707	3.900	4.010	21.98
AS3171-23	2.125-2.145	1.338	1.448	11.26	AS3171-65	4.749-4.769	3.962	4.072	22.25
AS3171-24	2.187-2.207	1.400	1.510	11.52	AS3171-66	4.812-4.832	4.025	4.135	22.51
AS3171-25	2.249-2.269	1.462	1.572	11.78	AS3171-67	4.875-4.895	4.088	4.198	22.77
AS3171-26	2.312-2.332	1.525	1.635	12.04	AS3171-68	4.937-4.957	4.150	4.260	23.03
AS3171-27	2.375-2.395	1.588	1.698	12.30	AS3171-69	4.999-5.019	4.212	4.322	23.28
AS3171-28	2.437-2.457	1.650	1.760	12.57	AS3171-70	5.062-5.082	4.275	4.385	23.55
AS3171-29	2.499-2.519	1.712	1.822	12.82	AS3171-71	5.125-5.145	4.338	4.448	23.81
AS3171-30	2.562-2.582	1.775	1.885	13.09	AS3171-72	5.187-5.207	4.400	4.510	24.08
AS3171-31	2.625-2.645	1.838	1.948	13.36	AS3171-73	5.249-5.269	4.462	4.572	24.33
AS3171-32	2.687-2.707	1.900	2.010	13.62	AS3171-74	5.312-5.332	4.525	4.635	24.60
AS3171-33	2.749-2.769	1.962	2.072	13.87	AS3171-75	5.375-5.395	4.588	4.698	24.86
AS3171-34	2.812-2.832	2.025	2.135	14.14	AS3171-76	5.437-5.457	4.650	4.760	25.12
AS3171-35	2.875-2.895	2.088	2.198	14.40	AS3171-77	5.499-5.519	4.712	4.822	25.38
AS3171-36	2.937-2.957	2.150	2.260	14.66	AS3171-78	5.562-5.582	4.775	4.885	25.65
AS3171-37	2.999-3.019	2.212	2.322	14.92					
AS3171-38	3.062-3.082	2.275	2.385	15.19					
AS3171-39	3.125-3.145	2.338	2.448	15.44					
AS3171-40	3.187-3.207	2.400	2.510	15.71					
AS3171-41	3.249-3.269	2.462	2.572	15.97					
AS3171-42	3.312-3.332	2.525	2.635	16.23					
AS3171-43	3.375-3.395	2.588	2.698	16.49					
AS3171-44	3.437-3.457	2.650	2.760	16.75					



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