

RATIONALE

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

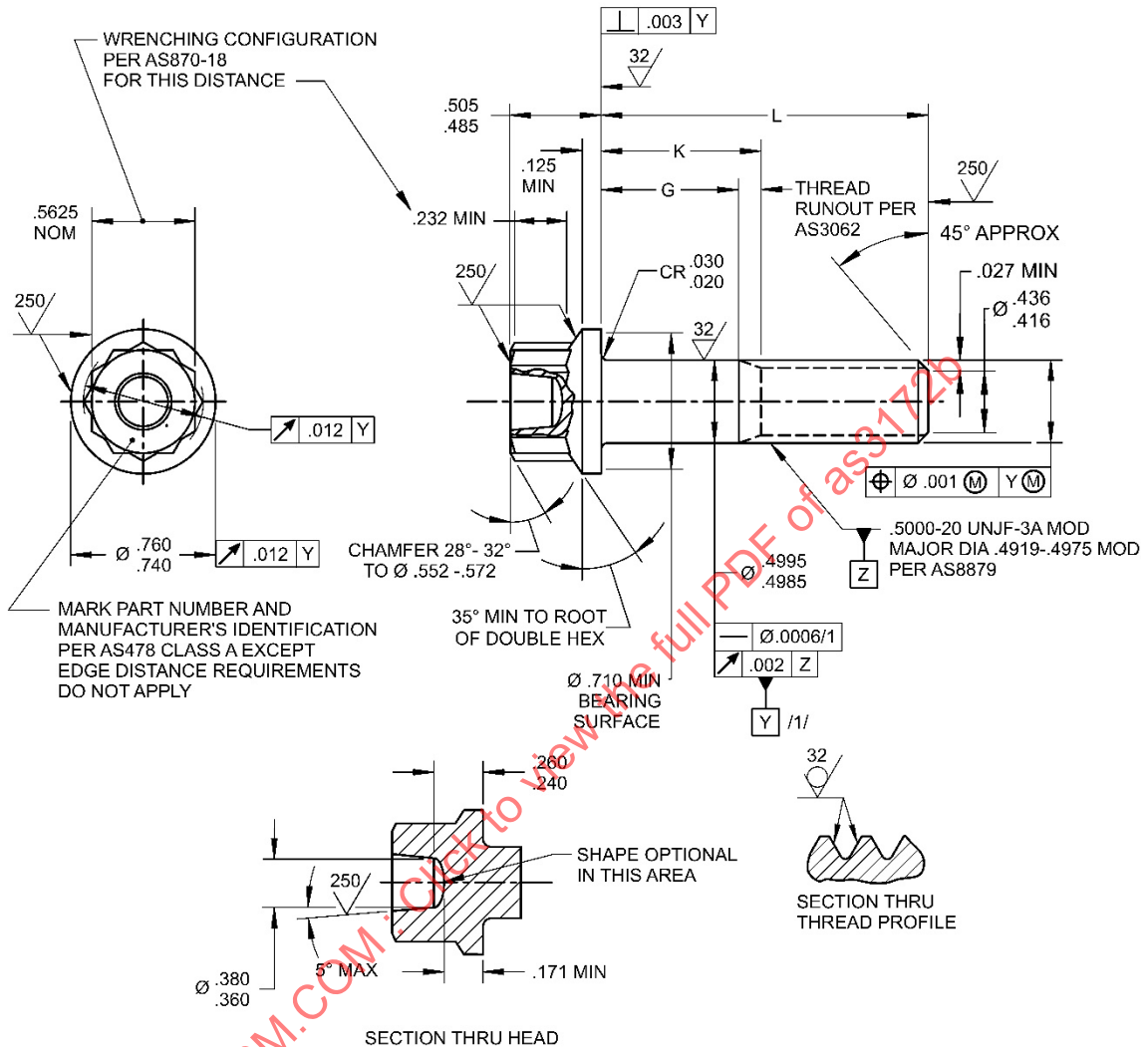
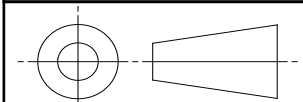


FIGURE 1 - BOLT

For more information on this standard, visit
<https://www.sae.org/standards/content/AS3172B/>

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), 140 KSI, .5000-20, UNJF-3A

AS3172™
SHEET 1 OF 3

REV.
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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
AS3172-03	.974-.994	.088	.198	8.38	AS3172-45	3.598-3.618	2.712	2.822	22.74
AS3172-04	1.036-1.056	.150	.260	8.72	AS3172-46	3.661-3.681	2.775	2.885	23.08
AS3172-05	1.098-1.118	.212	.322	9.05	AS3172-47	3.724-3.744	2.838	2.948	23.43
AS3172-06	1.161-1.181	.275	.385	9.40	AS3172-48	3.786-3.806	2.900	3.010	23.77
AS3172-07	1.224-1.244	.338	.448	9.75	AS3172-49	3.848-3.868	2.962	3.072	24.11
AS3172-08	1.286-1.306	.400	.510	10.08	AS3172-50	3.911-3.931	3.025	3.135	24.45
AS3172-09	1.348-1.368	.462	.572	10.42	AS3172-51	3.974-3.994	3.088	3.198	24.80
AS3172-10	1.411-1.431	.525	.635	10.77	AS3172-52	4.036-4.056	3.150	3.260	25.14
AS3172-11	1.474-1.494	.588	.698	11.11	AS3172-53	4.098-4.118	3.212	3.322	25.47
AS3172-12	1.536-1.556	.650	.760	11.45	AS3172-54	4.161-4.181	3.275	3.385	25.82
AS3172-13	1.598-1.618	.712	.822	11.79	AS3172-55	4.224-4.244	3.338	3.448	26.16
AS3172-14	1.661-1.681	.775	.885	12.14	AS3172-56	4.286-4.306	3.400	3.510	26.50
AS3172-15	1.724-1.744	.838	.948	12.48	AS3172-57	4.348-4.368	3.462	3.572	26.84
AS3172-16	1.786-1.806	.900	1.010	12.82	AS3172-58	4.411-4.431	3.525	3.635	27.19
AS3172-17	1.848-1.868	.962	1.072	13.16	AS3172-59	4.474-4.494	3.588	3.698	27.53
AS3172-18	1.911-1.931	1.025	1.135	13.50	AS3172-60	4.536-4.556	3.650	3.760	27.87
AS3172-19	1.974-1.994	1.088	1.198	13.85	AS3172-61	4.598-4.618	3.712	3.822	28.21
AS3172-20	2.036-2.056	1.150	1.260	14.19	AS3172-62	4.661-4.681	3.775	3.885	28.56
AS3172-21	2.098-2.118	1.212	1.322	14.52	AS3172-63	4.724-4.744	3.838	3.948	28.90
AS3172-22	2.161-2.181	1.275	1.385	14.87	AS3172-64	4.786-4.806	3.900	4.010	29.24
AS3172-23	2.224-2.244	1.338	1.448	15.21	AS3172-65	4.848-4.868	3.962	4.072	29.58
AS3172-24	2.286-2.306	1.400	1.510	15.55	AS3172-66	4.911-4.931	4.025	4.135	29.92
AS3172-25	2.348-2.368	1.462	1.572	15.89	AS3172-67	4.974-4.994	4.088	4.198	30.27
AS3172-26	2.411-2.431	1.525	1.635	16.24	AS3172-68	5.036-5.056	4.150	4.260	30.60
AS3172-27	2.474-2.494	1.588	1.698	16.58	AS3172-69	5.098-5.118	4.212	4.322	30.94
AS3172-28	2.534-2.554	1.650	1.760	16.92	AS3172-70	5.161-5.181	4.275	4.385	31.29
AS3172-29	2.598-2.618	1.712	1.822	17.27	AS3172-71	5.224-5.244	4.338	4.448	31.63
AS3172-30	2.661-2.681	1.775	1.885	17.61	AS3172-72	5.286-5.306	4.400	4.510	31.97
AS3172-31	2.724-2.744	1.838	1.948	17.96	AS3172-73	5.348-5.368	4.462	4.572	32.31
AS3172-32	2.786-2.806	1.900	2.010	18.30	AS3172-74	5.411-5.431	4.525	4.635	32.66
AS3172-33	2.848-2.868	1.962	2.072	18.64	AS3172-75	5.474-5.494	4.588	4.698	33.00
AS3172-34	2.911-2.931	2.025	2.135	18.98	AS3172-76	5.536-5.556	4.650	4.760	33.43
AS3172-35	2.974-2.994	2.088	2.198	19.33					
AS3172-36	3.036-3.056	2.150	2.260	19.66					
AS3172-37	3.098-3.118	2.212	2.322	20.00					
AS3172-38	3.161-3.181	2.275	2.385	20.35					
AS3172-39	3.224-3.244	2.338	2.448	20.70					
AS3172-40	3.286-3.306	2.400	2.510	21.03					
AS3172-41	3.348-3.368	2.462	2.572	21.37					
AS3172-42	3.411-3.431	2.525	2.635	21.72					
AS3172-43	3.474-3.494	2.588	2.698	22.06					
AS3172-44	3.536-3.556	2.650	2.760	22.40					



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