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REV.
E

AS3242™

FEDERAL SUPPLY CLASS
5306

RATIONALE

UPDATE TO ASME Y14.5-2018. REVISE FILLET RADIUS TO "CR." ADD "COMPOSITION SIMILAR TO" TO NOTE 2.

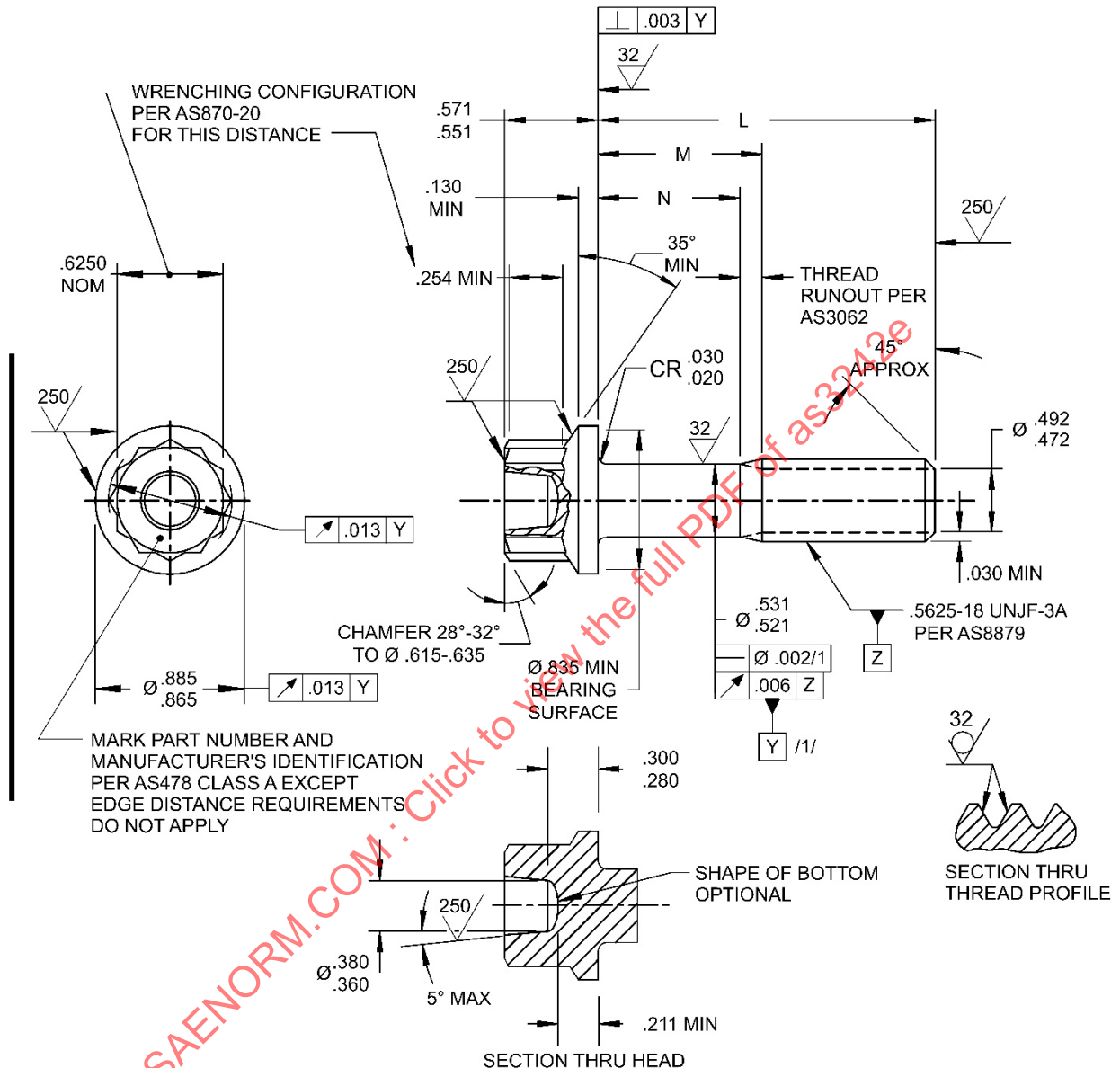
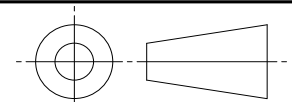


FIGURE 1 - BOLT

For more information on this standard, visit
<https://www.sae.org/standards/content/AS3242E/>

THIRD ANGLE PROJECTION



CUSTODIAN: E-25

PROCUREMENT SPECIFICATION: AS7466



AEROSPACE STANDARD

BOLT, MACHINE - DOUBLE HEXAGON EXTENDED
WASHER HEAD, PD SHANK, NICKEL ALLOY,
UNS N07718, 185 KSI MIN, .5625-18 UNJF-3A

AS3242™
SHEET 1 OF 3

REV.
E

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ISSUED 1980-07 REAFFIRMED 2007-06 REVISED 2023-03

TABLE 1 - PART NUMBERS AND DIMENSIONS

PART NO.	L	N MIN	M MAX	APPROX MASS LB/100	PART NO.	L	N MIN	M MAX	APPROX MASS LB/100
AS3242-04	.865-.885	.030	.133	11.03	AS3242-31	3.115-3.135	1.579	1.750	25.60
AS3242-05	.928-.948	.030	.133	11.44	AS3242-32	3.240-3.260	1.704	1.875	26.41
AS3242-06	.990-1.010	.030	.133	11.84	AS3242-33	3.365-3.385	1.829	2.000	27.22
AS3242-07	1.052-1.072	.030	.133	12.25	AS3242-34	3.490-3.510	1.954	2.125	28.03
AS3242-08	1.115-1.135	.030	.133	12.65	AS3242-35	3.615-3.635	2.079	2.250	28.84
AS3242-09	1.178-1.198	.030	.133	13.06	AS3242-36	3.740-3.760	2.204	2.375	29.64
AS3242-10	1.240-1.260	.030	.133	13.46	AS3242-37	3.865-3.885	2.329	2.500	30.46
AS3242-11	1.302-1.322	.030	.133	13.87	AS3242-38	3.990-4.010	2.454	2.625	31.27
AS3242-12	1.365-1.385	.030	.133	14.27	AS3242-39	4.115-4.135	2.579	2.750	32.07
AS3242-13	1.428-1.448	.030	.133	14.68	AS3242-40	4.240-4.260	2.704	2.875	32.88
AS3242-14	1.490-1.510	.030	.133	15.08	AS3242-41	4.365-4.385	2.829	3.000	33.69
AS3242-15	1.552-1.572	.030	.188	15.49	AS3242-42	4.490-4.510	2.954	3.125	34.50
AS3242-16	1.615-1.635	.079	.250	15.89	AS3242-43	4.615-4.635	3.079	3.250	35.31
AS3242-17	1.678-1.698	.142	.312	16.30	AS3242-44	4.740-4.760	3.204	3.375	36.12
AS3242-18	1.740-1.760	.204	.375	16.70	AS3242-45	4.865-4.885	3.329	3.500	36.93
AS3242-19	1.802-1.822	.266	.438	17.11	AS3242-46	4.990-5.010	3.454	3.625	37.74
AS3242-20	1.865-1.885	.329	.500	17.51	AS3242-47	5.115-5.135	3.579	3.750	38.55
AS3242-21	1.928-1.948	.392	.562	17.92	AS3242-48	5.240-5.260	3.704	3.875	39.36
AS3242-22	1.990-2.010	.454	.625	18.32	AS3242-49	5.365-5.385	3.829	4.000	40.17
AS3242-23	2.115-2.135	.579	.750	19.13	AS3242-50	5.490-5.510	3.954	4.125	40.98
AS3242-24	2.240-2.260	.704	.875	19.94	AS3242-51	5.615-5.635	4.079	4.250	41.79
AS3242-25	2.365-2.385	.829	1.000	20.75	AS3242-52	5.740-5.760	4.204	4.375	42.60
AS3242-26	2.490-2.510	.954	1.125	21.56	AS3242-53	5.865-5.885	4.329	4.500	43.41
AS3242-27	2.615-2.635	1.079	1.250	22.37	AS3242-54	5.990-6.010	4.454	4.625	44.22
AS3242-28	2.740-2.760	1.204	1.375	23.18					
AS3242-29	2.865-2.885	1.329	1.500	23.99					
AS3242-30	2.990-3.010	1.454	1.625	24.80					

NOTES:

1. FOR PART NUMBERS AS3242-04 THROUGH AS3242-24 DATUM Z (THREAD PD) SHALL REPLACE DATUM Y.
2. MATERIAL: CORROSION AND HEAT RESISTANT NICKEL ALLOY PER AMS5662 (COMPOSITION SIMILAR TO UNS N07718).
3. PROCUREMENT SPECIFICATION: AS7466.
4. FLUORESCENT PENETRANT INSPECTION PER ASTM E1417/E1417M, TYPE 1, SENSITIVITY LEVEL 2 MINIMUM.
5. SURFACE TEXTURE: SYMBOLS PER ASME Y14.36M. REQUIREMENTS PER ASME B46.1 UNLESS OTHERWISE SPECIFIED, SURFACES TO BE 125 MICRONS Ra.
6. BREAK SHARP EDGES .003 TO .015, UNLESS OTHERWISE SPECIFIED.
7. DIMENSIONS ARE IN INCHES.
8. DIMENSIONING AND TOLERANCING: ASME Y14.5-2018.
9. UNLESS OTHERWISE SPECIFIED, PART INVENTORY MANUFACTURED TO PREVIOUS REVISIONS OF THE APPLICABLE DRAWING OR SPECIFICATION MAY BE PROCURED AND USED UNTIL STOCK IS DEPLETED.
10. DO NOT USE UNASSIGNED PART NUMBERS.

	AEROSPACE STANDARD	AS3242™ SHEET 2 OF 3	REV. E
	BOLT, MACHINE - DOUBLE HEXAGON EXTENDED WASHER HEAD, PD SHANK, NICKEL ALLOY, UNS N07718, 185 KSI MIN, .5625-18 UNJF-3A		