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REV.
E

AS3238™

FEDERAL SUPPLY CLASS
5306

RATIONALE

UPDATE TO ASME Y14.5-2018. REVISE LEAD THREAD CHAMFER TO AS1132. REVISE LIGHTENING HOLE CONFIGURATION TO AS1132. REVISE FILLET RADIUS TO CR. ADD "COMPOSITION SIMILAR TO" TO NOTE 2.

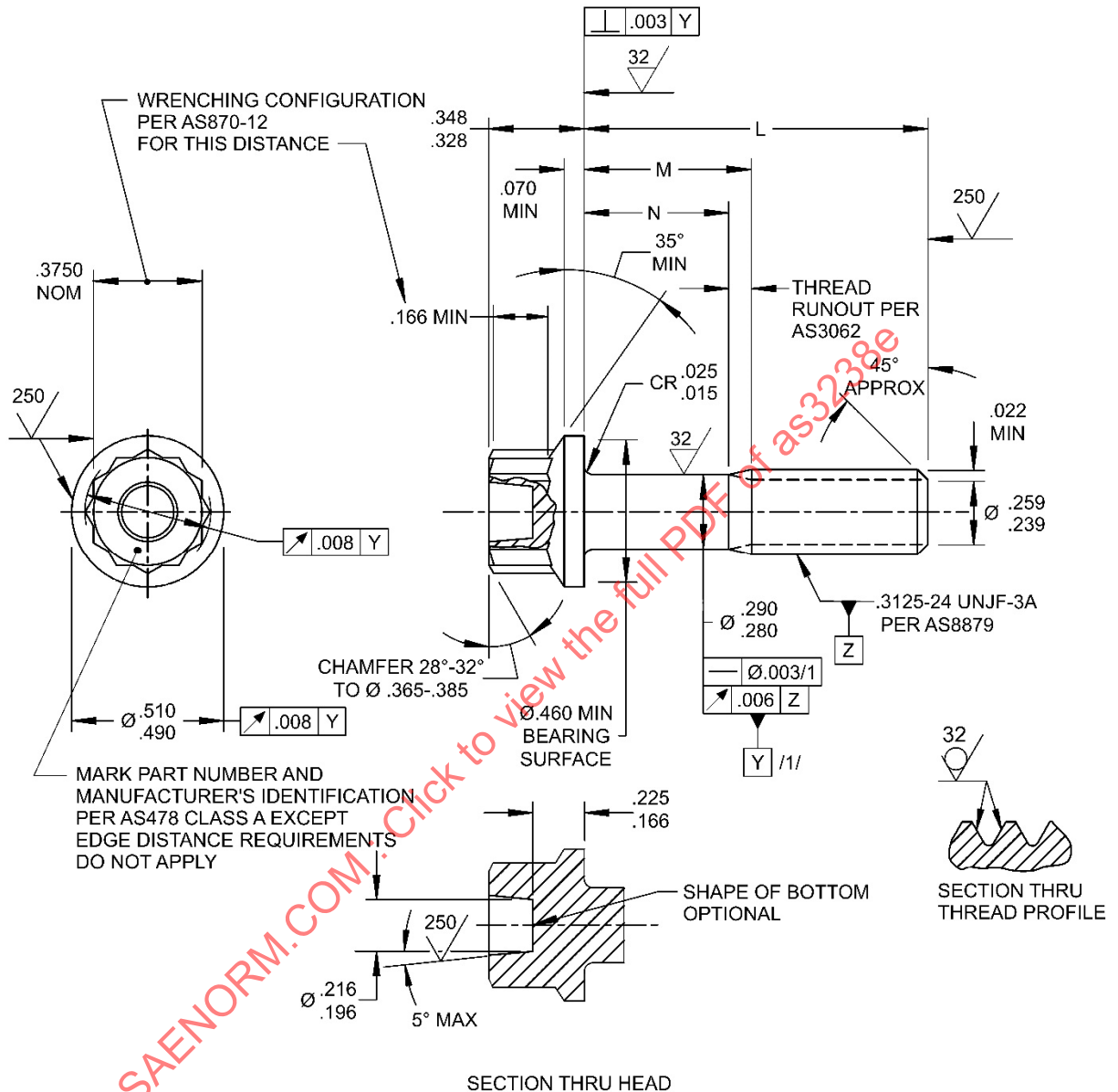
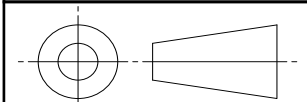


FIGURE 1 - BOLT

For more information on this standard, visit
<https://www.sae.org/standards/content/AS3238E/>

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, .3125-24 UNJF-3A

AS3238™
SHEET 1 OF 3

REV.
E

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ISSUED 1980-07 REAFFIRMED 2007-06 REVISED 2022-08

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
AS3238-04	.490- .510	.025	.108	1.91	AS3238-34	2.740-2.760	1.732	1.875	6.19
AS3238-05	.552- .572	.025	.108	2.03	AS3238-35	2.865-2.885	1.857	2.000	6.43
AS3238-06	.615- .635	.025	.108	2.15	AS3238-36	2.990-3.010	1.982	2.125	6.66
AS3238-07	.678- .698	.025	.108	2.26	AS3238-37	3.115-3.135	2.107	2.250	6.90
AS3238-08	.740- .760	.025	.108	2.39	AS3238-38	3.240-3.260	2.232	2.375	7.14
AS3238-09	.802- .822	.025	.108	2.50	AS3238-39	3.365-3.385	2.357	2.500	7.37
AS3238-10	.865- .885	.025	.108	2.63	AS3238-40	3.490-3.510	2.482	2.625	7.61
AS3238-11	.928- .948	.025	.108	2.74	AS3238-41	3.615-3.635	2.607	2.750	7.85
AS3238-12	.990-1.010	.025	.125	2.87	AS3238-42	3.740-3.760	2.732	2.875	8.09
AS3238-13	1.052-1.072	.044	.188	2.98	AS3238-43	3.865-3.885	2.857	3.000	8.33
AS3238-14	1.115-1.135	.107	.250	3.09	AS3238-44	3.990-4.010	2.982	3.125	8.56
AS3238-15	1.178-1.198	.170	.312	3.22	AS3238-45	4.115-4.135	3.107	3.250	8.80
AS3238-16	1.240-1.260	.232	.375	3.33	AS3238-46	4.240-4.260	3.232	3.375	9.04
AS3238-17	1.302-1.322	.294	.438	3.46	AS3238-47	4.365-4.385	3.357	3.500	9.28
AS3238-18	1.365-1.385	.357	.500	3.57	AS3238-48	4.490-4.510	3.482	3.625	9.51
AS3238-19	1.428-1.448	.420	.562	3.70	AS3238-49	4.615-4.635	3.607	3.750	9.75
AS3238-20	1.490-1.510	.482	.625	3.81	AS3238-50	4.740-4.760	3.732	3.875	9.99
AS3238-21	1.552-1.572	.544	.688	3.93	AS3238-51	4.865-4.885	3.857	4.000	10.22
AS3238-22	1.615-1.635	.607	.750	4.05	AS3238-52	4.990-5.010	3.982	4.125	10.46
AS3238-23	1.678-1.698	.670	.812	4.16	AS3238-53	5.115-5.135	4.107	4.250	10.70
AS3238-24	1.740-1.760	.732	.875	4.29	AS3238-54	5.240-5.260	4.232	4.375	10.94
AS3238-25	1.802-1.822	.794	.938	4.40	AS3238-55	5.365-5.385	4.357	4.500	11.18
AS3238-26	1.865-1.885	.857	1.000	4.53	AS3238-56	5.490-5.510	4.482	4.625	11.42
AS3238-27	1.928-1.948	.920	1.062	4.64	AS3238-57	5.615-5.635	4.607	4.750	11.66
AS3238-28	1.990-2.010	.982	1.125	4.76	AS3238-58	5.740-5.760	4.732	4.875	11.89
AS3238-29	2.115-2.135	1.107	1.250	5.00	AS3238-59	5.865-5.885	4.857	5.000	12.13
AS3238-30	2.240-2.260	1.232	1.375	5.23	AS3238-60	5.990-6.010	4.982	5.125	12.37
AS3238-31	2.365-2.385	1.357	1.500	5.47					
AS3238-32	2.490-2.510	1.482	1.625	5.71					
AS3238-33	2.615-2.635	1.607	1.750	5.95					

NOTES:

1. FOR PART NUMBERS AS3238-04 THROUGH AS3238-19, DATUM Z 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 BEFORE PLATING 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 MICROINCHES 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	AS3238™ SHEET 2 OF 3	REV. E
	BOLT, MACHINE - DOUBLE HEXAGON EXTENDED WASHER HEAD, PD SHANK, NICKEL ALLOY UNS N07718, 185 KSI MIN, .3125-24 UNJF-3A		