

REV.  
E

AS3246™

RATIONALE

REVISE LEAD THREAD CHAMFER PER AS1132, ADD NEW NOTE FOR DISPOSITION OF EXISTING INVENTORY, ADD DATUM Y TO POSITION REQUIREMENT FOR DRILLED HOLES, RELOCATE W DATUM, GENERAL EDITORIAL UPDATES.

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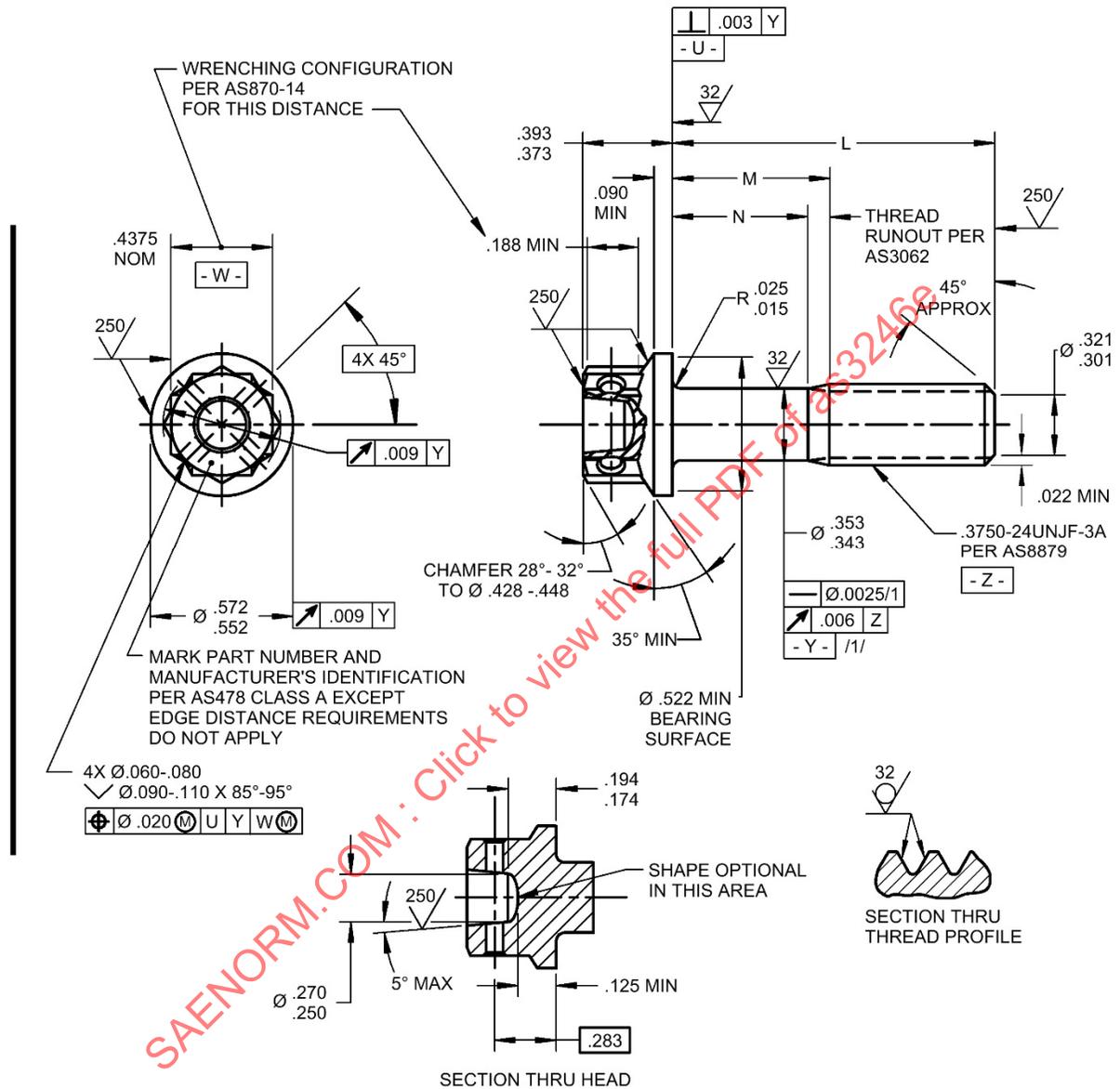
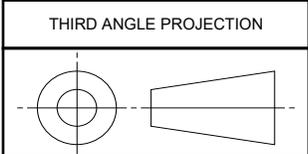


FIGURE 1 - BOLT

For more information on this standard, visit  
<https://www.sae.org/standards/content/AS3246E/>



CUSTODIAN: E-25

PROCUREMENT SPECIFICATION: AS7466



**AEROSPACE STANDARD**

BOLT, MACHINE - DOUBLE HEXAGON EXTENDED WASHER HEAD, DRILLED, PD SHANK, NICKEL ALLOY, UNS N07718, 185 KSI MIN, .3750-24 UNJF-3A

AS3246™  
SHEET 1 OF 3

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E

ISSUED 1980-07 REAFFIRMED 2007-06 REVISED 2020-08

**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
AS3246-03	.552- .572	.025	.108	3.06	AS3246-33	2.865-2.885	1.732	1.875	9.61
AS3246-04	.615- .635	.025	.108	3.24	AS3246-34	2.990-3.010	1.857	2.000	9.97
AS3246-05	.678- .698	.025	.108	3.42	AS3246-35	3.115-3.135	1.982	2.125	10.32
AS3246-06	.740- .760	.025	.108	3.59	AS3246-36	3.240-3.260	2.107	2.250	10.67
AS3246-07	.802- .822	.025	.108	3.77	AS3246-37	3.365-3.385	2.232	2.375	11.03
AS3246-08	.865- .885	.025	.108	3.94	AS3246-38	3.490-3.510	2.357	2.500	11.39
AS3246-09	.928- .948	.025	.108	4.12	AS3246-39	3.615-3.635	2.482	2.625	11.74
AS3246-10	.990-1.010	.025	.108	4.30	AS3246-40	3.740-3.760	2.607	2.750	12.09
AS3246-11	1.052-1.072	.025	.108	4.47	AS3246-41	3.865-3.885	2.732	2.875	12.45
AS3246-12	1.115-1.135	.025	.125	4.65	AS3246-42	3.990-4.010	2.857	3.000	12.80
AS3246-13	1.178-1.198	.045	.188	4.83	AS3246-43	4.115-4.135	2.982	3.125	13.15
AS3246-14	1.240-1.260	.107	.250	5.00	AS3246-44	4.240-4.260	3.107	3.250	13.50
AS3246-15	1.302-1.322	.169	.312	5.19	AS3246-45	4.365-4.385	3.232	3.375	14.87
AS3246-16	1.365-1.385	.232	.375	5.37	AS3246-46	4.490-4.510	3.357	3.500	14.22
AS3246-17	1.428-1.448	.295	.438	5.54	AS3246-47	4.615-4.635	3.482	3.625	14.57
AS3246-18	1.490-1.510	.357	.500	5.72	AS3246-48	4.740-4.760	3.607	3.750	14.93
AS3246-19	1.552-1.572	.419	.562	5.90	AS3246-49	4.865-4.885	3.732	3.875	15.28
AS3246-20	1.615-1.635	.482	.625	6.07	AS3246-50	4.990-5.010	3.857	4.000	15.63
AS3246-21	1.678-1.698	.545	.688	6.25	AS3246-51	5.115-5.135	3.982	4.125	15.99
AS3246-22	1.740-1.760	.607	.750	6.43	AS3246-52	5.240-5.260	4.107	4.250	16.34
AS3246-23	1.802-1.822	.669	.812	6.60	AS3246-53	5.365-5.385	4.232	4.375	16.70
AS3246-24	1.865-1.885	.732	.875	6.78	AS3246-54	5.490-5.510	4.357	4.500	17.05
AS3246-25	1.928-1.948	.795	.938	6.96	AS3246-55	5.615-5.635	4.482	4.625	17.39
AS3246-26	1.990-2.010	.857	1.000	7.13	AS3246-56	5.740-5.760	4.607	4.750	17.73
AS3246-27	2.115-2.135	.982	1.125	7.48	AS3246-57	5.865-5.885	4.732	4.875	18.07
AS3246-28	2.240-2.260	1.107	1.250	7.84	AS3246-58	5.990-6.010	4.857	5.000	18.41
AS3246-29	2.365-2.385	1.232	1.375	8.20					
AS3246-30	2.490-2.510	1.357	1.500	8.55					
AS3246-31	2.615-2.635	1.482	1.625	8.91					
AS3246-32	2.740-2.760	1.607	1.750	9.26					

NOTES:

- 1/1/ FOR PART NUMBERS AS3246-03 THRU AS3246-21, 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 MIN.
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 PER ANSI Y14.5M-1982 (ASME PUBLICATION).
9. DO NOT USE UNASSIGNED PART NUMBERS.
10. UNLESS OTHERWISE SPECIFIED, PART INVENTORY MANUFACTURED TO PREVIOUS REVISIONS OF THE APPLICABLE DRAWING OR SPECIFICATION MAY BE PROCURED AND USED UNTIL STOCK IS DEPLETED.

	<b>AEROSPACE STANDARD</b>	<b>AS3246™</b> SHEET 2 OF 3	<b>REV.</b> <b>E</b>
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