

RATIONALE

WRENCHING CONFIGURATION PER AS870-14 FOR THIS DISTANCE

4375 NOM

250

4X 45°

0.009 Y

0.572

0.552

0.009 Y

MARK PART NUMBER AND MANUFACTURER'S IDENTIFICATION PER AS478 CLASS A EXCEPT EDGE DISTANCE REQUIREMENTS DO NOT APPLY

4X 0.060-0.080

0.090-0.110 X 85°-95°

0.020 M U Y W M

0.393

0.373

0.188 MIN

0.090 MIN

250

CHAMFER 28°-32° TO 0.428-0.448

35° MIN

0.522 MIN BEARING SURFACE

0.025

0.015

32

0.353

0.343

0.3750-24UNJF-3A PER AS8879

0.022 MIN

0.0025/1

0.006 Z

-Y- /1/

0.003 Y

-U-

32

250

45° APPROX

0.321

0.301

0.283

0.194

0.174

SHAPE OPTIONAL IN THIS AREA

250

5° MAX

0.270

0.250

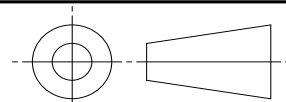
0.125 MIN

SECTION THRU HEAD

SECTION THRU THREAD PROFILE

FIGURE 1 - BOLT

THIRD ANGLE PROJECTION



PROCUREMENT SPECIFICATION: AS7466



AS3246™
SHEET 1 OF 3

REV.
E

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/ 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.

	AEROSPACE STANDARD	AS3246™ SHEET 2 OF 3	REV. E
	BOLT, MACHINE - DOUBLE HEXAGON EXTENDED WASHER HEAD, DRILLED, PD SHANK, NICKEL ALLOY, UNS N07718, 185 KSI MIN, .3750-24 UNJF-3A		