

RATIONALE

REVISE WRENCHING ELEMENT RUNOUT CALLOUT (RELOCATE FROM WRENCH FLATS TO POINTS). REVISE THREAD SPECIFICATION TO AS8879. REVISE LIGHTENING HOLE CONFIGURATION (ADD SECTION VIEW) TO ALLOW OPTIONAL SHAPE AT BOTTOM OF HOLE, ADD SYMBOL FOR Ø AND MMC TO POSITION TOLERANCE FOR SAFETY WIRE HOLES, DELETE .015 MIN RADIUS AT BASE OF WRENCH PAD, AND FIGURE 1 REDRAWN.

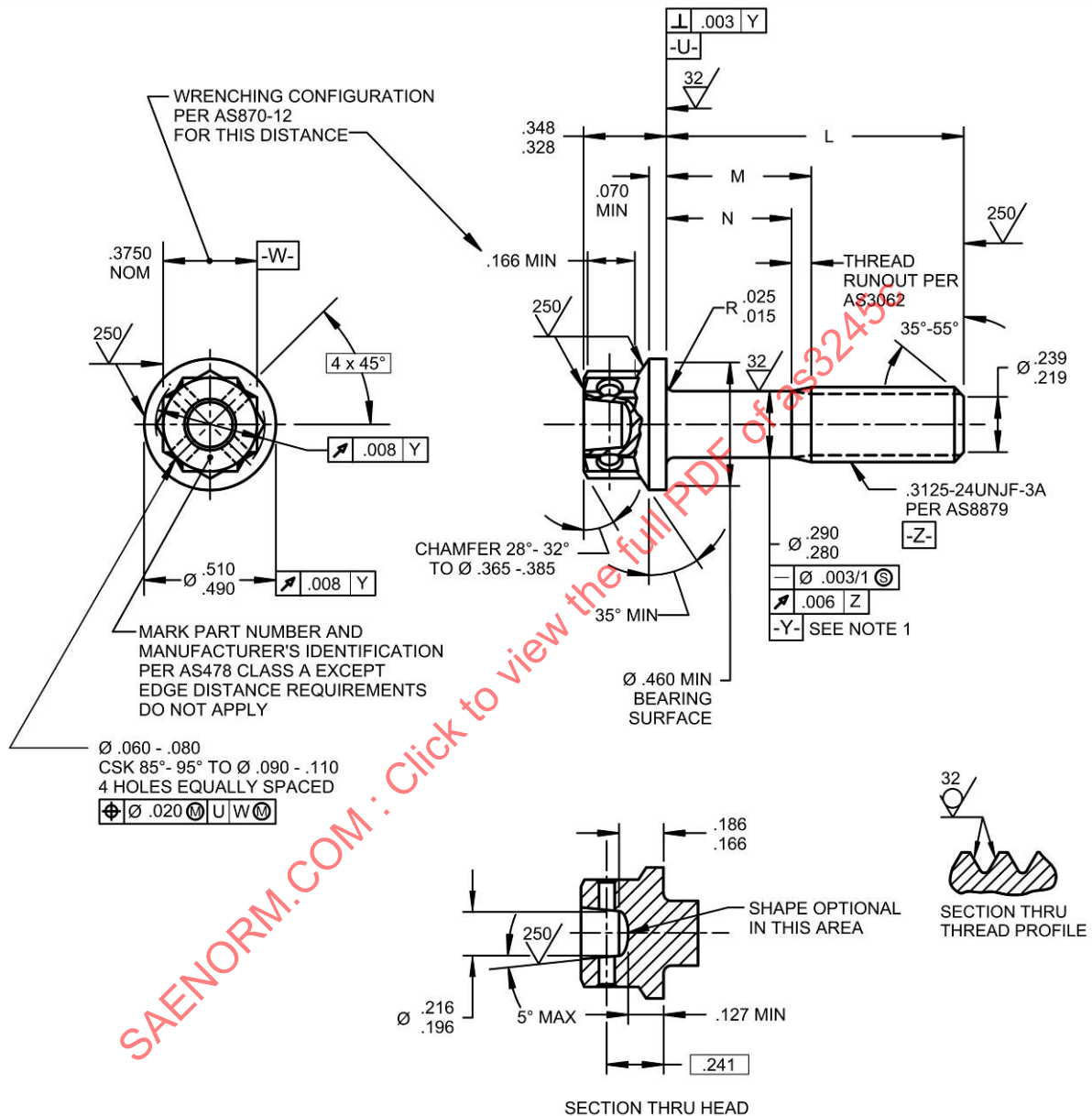
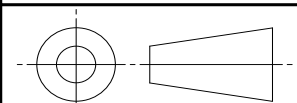


FIGURE 1 - BOLT

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THIRD ANGLE PROJECTION



CUSTODIAN: E-25

PROCUREMENT SPECIFICATION: AS7466

SAE Aerospace
An SAE International Group

AEROSPACE STANDARD

BOLT, MACHINE - DOUBLE HEXAGON EXTENDED
WASHER HEAD, DRILLED, PD SHANK, NICKEL ALLOY,
UNS N07718. 185 KSI MIN. .3125-24 UNJF-3A

SAE AS3245
SHEET 1 OF 3

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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
AS3245-04	.490-.510	.025	.108	1.91	AS3245-34	2.740-2.760	1.732	1.875	6.19
AS3245-05	.552-.572	.025	.108	2.03	AS3245-35	2.865-2.885	1.857	2.000	6.43
AS3245-06	.615-.635	.025	.108	2.15	AS3245-36	2.990-3.010	1.982	2.125	6.66
AS3245-07	.678-.698	.025	.108	2.26	AS3245-37	3.115-3.135	2.107	2.250	6.90
AS3245-08	.740-.760	.025	.108	2.39	AS3245-38	3.240-3.260	2.232	2.375	7.14
AS3245-09	.802-.822	.025	.108	2.50	AS3245-39	3.365-3.385	2.357	2.500	7.37
AS3245-10	.865-.885	.025	.108	2.63	AS3245-40	3.490-3.510	2.482	2.625	7.61
AS3245-11	.928-.948	.025	.108	2.74	AS3245-41	3.615-3.635	2.607	2.750	7.85
AS3245-12	.990-1.010	.025	.125	2.87	AS3245-42	3.740-3.760	2.732	2.875	8.09
AS3245-13	1.052-1.072	.044	.188	2.98	AS3245-43	3.865-3.885	2.857	3.000	8.33
AS3245-14	1.115-1.135	.107	.250	3.09	AS3245-44	3.990-4.010	2.982	3.125	8.56
AS3245-15	1.178-1.198	.170	.312	3.22	AS3245-45	4.115-4.135	3.107	3.250	8.80
AS3245-16	1.240-1.260	.232	.375	3.33	AS3245-46	4.240-4.260	3.232	3.375	9.04
AS3245-17	1.302-1.322	.294	.438	3.46	AS3245-47	4.365-4.385	3.357	3.500	9.28
AS3245-18	1.365-1.385	.357	.500	3.57	AS3245-48	4.490-4.510	3.482	3.625	9.51
AS3245-19	1.428-1.448	.420	.562	3.70	AS3245-49	4.615-4.635	3.607	3.750	9.75
AS3245-20	1.490-1.510	.482	.625	3.81	AS3245-50	4.740-4.760	3.732	3.875	9.99
AS3245-21	1.552-1.572	.544	.688	3.93	AS3245-51	4.865-4.885	3.857	4.000	10.22
AS3245-22	1.615-1.635	.607	.750	4.05	AS3245-52	4.990-5.010	3.982	4.125	10.46
AS3245-23	1.678-1.698	.670	.812	4.16	AS3245-53	5.115-5.135	4.107	4.250	10.70
AS3245-24	1.740-1.760	.732	.875	4.29	AS3245-54	5.240-5.260	4.232	4.375	10.94
AS3245-25	1.802-1.822	.794	.938	4.40	AS3245-55	5.365-5.385	4.357	4.500	11.18
AS3245-26	1.865-1.885	.857	1.000	4.53	AS3245-56	5.490-5.510	4.482	4.625	11.42
AS3245-27	1.928-1.948	.920	1.062	4.64	AS3245-57	5.615-5.635	4.607	4.750	11.66
AS3245-28	1.990-2.010	.982	1.125	4.76	AS3245-58	5.740-5.760	4.732	4.875	11.89
AS3245-29	2.115-2.135	1.107	1.250	5.00	AS3245-59	5.865-5.885	4.857	5.000	12.13
AS3245-30	2.240-2.260	1.232	1.375	5.23	AS3245-60	5.990-6.010	4.982	5.125	12.37
AS3245-31	2.365-2.385	1.357	1.500	5.47					
AS3245-32	2.490-2.510	1.482	1.625	5.71					
AS3245-33	2.615-2.635	1.607	1.750	5.95					

NOTES:

- FOR PART NUMBERS AS3245-04 THRU AS3245-19 THE THREAD PD (DATUM **Z**) SHALL REPLACE DATUM **Y**.
- MATERIAL: CORROSION AND HEAT RESISTANT NICKEL ALLOY PER AMS5662 (UNS N07718).
- PROCUREMENT SPECIFICATION: AS7466.
- FLUORESCENT PENETRANT INSPECTION PER ASTM E 1417, TYPE 1, SENSITIVITY LEVEL 2 MINIMUM.
- SURFACE TEXTURE: SYMBOLS PER ASME Y14.36M. REQUIREMENTS PER ASME B46.1. UNLESS OTHERWISE SPECIFIED, SURFACES TO BE 125 MICROINCHES Ra.
- BREAK SHARP EDGES .003 TO .015 UNLESS OTHERWISE SPECIFIED.
- DIMENSIONS IN INCHES.

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	BOLT, MACHINE - DOUBLE HEXAGON EXTENDED WASHER HEAD, DRILLED, PD SHANK, NICKEL ALLOY, UNS N07718, 185 KSI MIN. .3125-24 UNJF-3A			