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SAE AS3241

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 SURFACE TEXTURE REQUIREMENT FOR TOP OF HEAD AND FLANGE, FIGURE 1 REDRAWN.

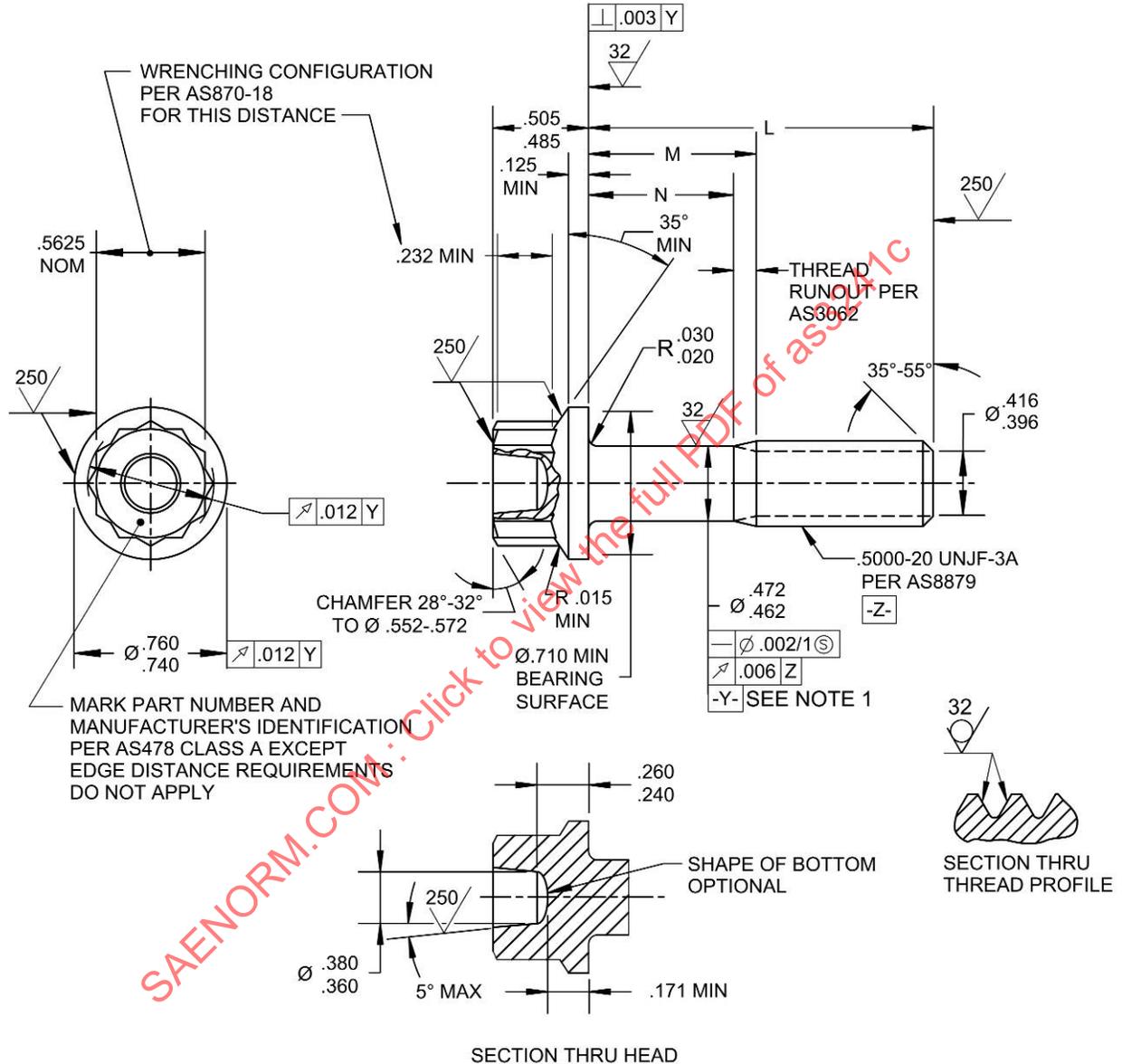
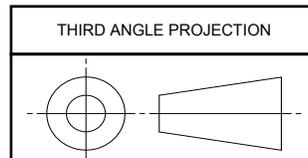


FIGURE 1 – BOLT

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CUSTODIAN: E-25

PROCUREMENT SPECIFICATION: AS7466

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AEROSPACE STANDARD
(R) BOLT, MACHINE – DOUBLE HEXAGON EXTENDED WASHER HEAD, PD SHANK, NICKEL ALLOY, UNS N07718, 185 KSI MIN, .5000-20 UNJF-3A

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ISSUED 1980-07 REAFFIRMED 2007-06 REVISED 2012-04

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
AS3241-03	.740- .760	.030	.125	7.33	AS3241-30	2.865-2.885	1.465	1.625	18.18
AS3241-04	.802- .822	.030	.125	7.65	AS3241-31	2.990-3.010	1.590	1.750	18.81
AS3241-05	.865- .885	.030	.125	7.97	AS3241-32	3.115-3.135	1.715	1.875	19.45
AS3241-06	.928- .948	.030	.125	8.29	AS3241-33	3.240-3.260	1.840	2.000	20.09
AS3241-07	.990-1.010	.030	.125	8.61	AS3241-34	3.365-3.385	1.965	2.125	20.73
AS3241-08	1.052-1.072	.030	.125	8.93	AS3241-35	3.490-3.510	2.090	2.250	21.35
AS3241-09	1.115-1.135	.030	.125	9.25	AS3241-36	3.615-3.635	2.215	2.375	22.01
AS3241-10	1.178-1.198	.030	.125	9.56	AS3241-37	3.740-3.760	2.340	2.500	22.64
AS3241-11	1.240-1.260	.030	.125	9.88	AS3241-38	3.865-3.885	2.465	2.625	23.28
AS3241-12	1.302-1.322	.030	.125	10.20	AS3241-39	3.990-4.010	2.590	2.750	23.92
AS3241-13	1.365-1.385	.030	.125	10.53	AS3241-40	4.115-4.135	2.715	2.875	24.56
AS3241-14	1.428-1.448	.030	.188	10.84	AS3241-41	4.240-4.260	2.840	3.000	25.19
AS3241-15	1.490-1.510	.090	.250	11.16	AS3241-42	4.365-4.385	2.965	3.125	25.83
AS3241-16	1.552-1.572	.152	.312	11.48	AS3241-43	4.490-4.510	3.090	3.250	26.47
AS3241-17	1.615-1.635	.215	.375	11.80	AS3241-44	4.615-4.635	3.215	3.375	27.10
AS3241-18	1.678-1.698	.278	.438	12.11	AS3241-45	4.740-4.760	3.340	3.500	27.75
AS3241-19	1.740-1.760	.340	.500	12.44	AS3241-46	4.865-4.885	3.465	3.625	28.38
AS3241-20	1.802-1.822	.402	.562	12.77	AS3241-47	4.990-5.010	3.590	3.750	29.02
AS3241-21	1.865-1.885	.465	.625	13.07	AS3241-48	5.115-5.135	3.715	3.875	29.66
AS3241-22	1.928-1.948	.528	.688	13.39	AS3241-49	5.240-5.260	3.840	4.000	30.60
AS3241-23	1.990-2.010	.590	.750	13.71	AS3241-50	5.365-5.385	3.965	4.125	30.93
AS3241-24	2.115-2.135	.715	.875	14.35	AS3241-51	5.490-5.510	4.090	4.250	31.58
AS3241-25	2.240-2.260	.840	1.000	14.99	AS3241-52	5.615-5.635	4.215	4.375	32.22
AS3241-26	2.365-2.385	.965	1.125	15.62	AS3241-53	5.740-5.760	4.340	4.500	32.85
AS3241-27	2.490-2.510	1.090	1.250	16.27	AS3241-54	5.865-5.885	4.465	4.625	33.50
AS3241-28	2.615-2.635	1.215	1.375	16.90	AS3241-55	5.990-6.010	4.590	4.750	34.14
AS3241-29	2.740-2.760	1.340	1.500	17.54					

NOTES:

- FOR PART NUMBERS AS3241-03 THRU AS3241-24 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.
- SURFACE TEXTURE: SYMBOLS ARE PER ASME Y14.36M. REQUIREMENTS PER ASME B46.1 UNLESS OTHERWISE SPECIFIED, SURFACES TO BE 125 µin Ra.
- BREAK SHARP EDGES .003 TO .015, UNLESS OTHERWISE SPECIFIED.
- DIMENSIONS IN INCHES.
- DIMENSIONING AND TOLERANCING PER ANSI Y14.5M-1982 (ASME PUBLICATION).
- DO NOT USE UNASSIGNED PART NUMBERS.