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5306

RATIONALE

FIGURE 1 RE-DRAWN WITH UPDATED FORMATS AND EDITORIAL REVISIONS, DELETE RADIUS AT TRANSITION FROM WRENCH PAD TO BASE FLANGE, ADD MINIMUM BEARING SURFACE REQUIREMENT ($\emptyset F$) TO WASHER FACE, ADD AS8879 TO FIGURE 1 THREAD CALLOUT, REVISE LEAD THREAD CHAMFER TO AS1132 REQUIREMENTS (REVISE $\emptyset AB$ AND ADD NEW DIM AK), ADD EDGE DISTANCE EXCEPTION TO HEAD MARKING REQUIREMENT, ADD THREAD RUNOUT PER AS3062, FOR P/N AS3580-3-56, CORRECT TYPOGRAPHICAL ERROR IN DIM M, ADD NEW NOTE FOR THE DISPOSITION OF EXISTING INVENTORY, UPDATE REFERENCES THROUGHOUT, GENERAL EDITORIAL REVISIONS.

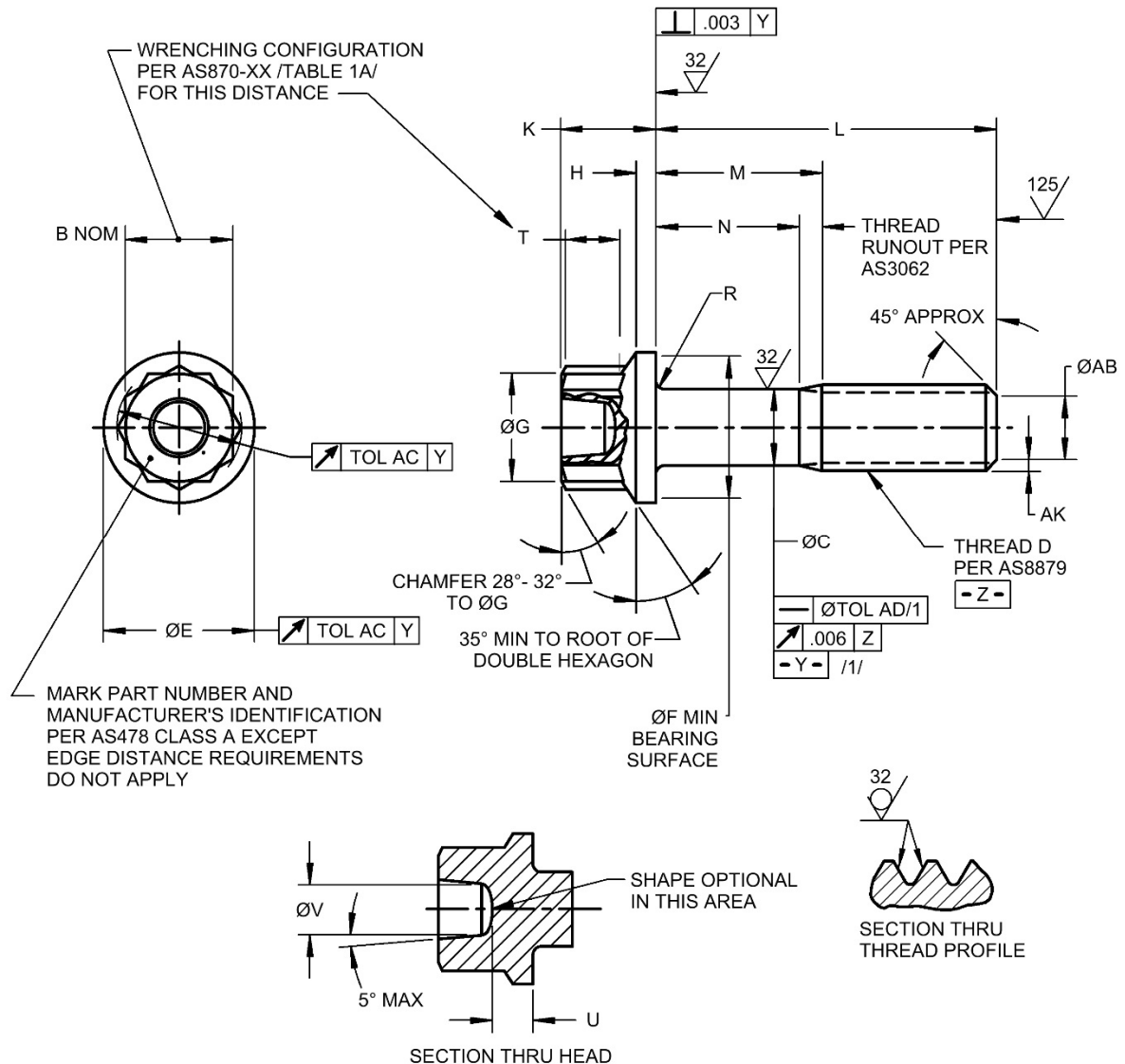


FIGURE 1 - BOLT

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CUSTODIAN: E-25

PROCUREMENT SPECIFICATION: AS4877



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BOLT, MACHINE - DOUBLE HEX EXTENDED
WASHER HEAD, PD SHANK, UNS N07718 - 185 KSI

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SHEET 1 OF 13

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TABLE 1A - DASH NO., THREAD D, AS870 DASH NO., AND DIMENSIONS B, ØC, ØE, ØF, ØG, H, AND K

DASH NO.	THREAD D	AS870 DASH NO.	B NOMINAL SIZE	ØC	ØE	ØF MIN	ØG	H	K
-3	.1900-32 UNJF-3A	08	.2500	.165-.175	.365-.385	.335	.240-.260	.040-.060	.248-.268
-4	.2500-28 UNJF-3A	10	.3125	.222-.232	.428-.448	.398	.302-.322	.060-.080	.293-.313
-5	.3125-24 UNJF-3A	12	.3750	.280-.290	.490-.510	.460	.365-.385	.070-.090	.328-.348
-6	.3750-24 UNJF-3A	14	.4375	.343-.353	.552-.572	.522	.428-.448	.080-.100	.373-.393
-7	.4375-20 UNJF-3A	16	.5000	.400-.410	.678-.698	.648	.490-.510	.090-.110	.444-.464
-8	.5000-20 UNJF-3A	18	.5625	.462-.472	.740-.760	.710	.552-.572	.125-.145	.485-.505
-9	.5625-18 UNJF-3A	20	.6250	.521-.531	.865-.885	.835	.615-.635	.130-.150	.551-.571
-10	.6250-18 UNJF-3A	22	.6875	.584-.594	.928-.948	.898	.677-.697	.150-.170	.608-.628
-12	.7500-16 UNJF-3A	26	.8125	.704-.714	1.052-1.072	1.022	.802-.822	.178-.198	.701-.721

TABLE 1B - DASH NO. AND DIMENSIONS R, T, U, ØV, ØAB, AC, AND AD

DASH NO.	R	T MIN	U MIN	ØV	ØAB	AC TOL	AD TOL	AK MIN
-3	.015-.025	.122	.120	.095-.135	.130-.150	.006	.003	.015
-4	.015-.025	.144	.158	.150-.190	.184-.204	.007	.003	.018
-5	.015-.025	.166	.166	.185-.225	.239-.259	.008	.003	.022
-6	.015-.025	.188	.174	.230-.270	.301-.321	.010	.0025	.022
-7	.020-.030	.210	.202	.290-.330	.354-.374	.010	.0025	.027
-8	.020-.030	.232	.240	.350-.390	.416-.436	.012	.002	.027
-9	.020-.030	.254	.280	.410-.450	.472-.492	.013	.002	.030
-10	.025-.035	.336	.325	.470-.510	.534-.554	.016	.002	.030
-12	.025-.035	.371	.380	.540-.580	.650-.670	.017	.002	.030

TABLE 2 - PART NUMBERS, DIMENSIONS L, M, AND N, AND APPROX MASS

PART NO.	L	M MAX	N MIN	APPROX MASS LB/100
AS3580-3-05	.302-.322	.092	.025	.59
AS3580-3-06	.365-.385	.092	.025	.63
AS3580-3-07	.428-.448	.092	.025	.68
AS3580-3-08	.490-.510	.092	.025	.72
AS3580-3-09	.552-.572	.092	.025	.76
AS3580-3-10	.615-.635	.092	.025	.80
AS3580-3-11	.678-.698	.092	.025	.84
AS3580-3-12	.740-.760	.120	.025	.88
AS3580-3-13	.802-.822	.183	.060	.92
AS3580-3-14	.865-.885	.245	.123	.97
AS3580-3-15	.928-.948	.308	.186	1.01
AS3580-3-16	.990-1.010	.370	.248	1.05
AS3580-3-17	1.052-1.072	.432	.310	1.09
AS3580-3-18	1.115-1.135	.495	.373	1.14
AS3580-3-19	1.178-1.198	.558	.436	1.18



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AS3580™
SHEET 2 OF 13

REV.



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TABLE 2 - PART NUMBERS, DIMENSIONS L, M, AND N, AND APPROX MASS (CONTINUED)

PART NO.	L	M MAX	N MIN	APPROX MASS LB/100
AS3580-3-20	1.240-1.260	.620	.498	1.23
AS3580-3-21	1.302-1.322	.682	.560	1.27
AS3580-3-22	1.365-1.385	.745	.623	1.31
AS3580-3-23	1.428-1.448	.808	.686	1.35
AS3580-3-24	1.490-1.510	.870	.748	1.39
AS3580-3-25	1.552-1.572	.932	.810	1.43
AS3580-3-26	1.615-1.635	.995	.873	1.47
AS3580-3-27	1.678-1.698	1.058	.936	1.52
AS3580-3-28	1.740-1.760	1.120	.998	1.56
AS3580-3-29	1.802-1.822	1.182	1.060	1.60
AS3580-3-30	1.865-1.885	1.245	1.123	1.64
AS3580-3-31	1.928-1.948	1.308	1.186	1.68
AS3580-3-32	1.990-2.010	1.370	1.248	1.73
AS3580-3-34	2.115-2.135	1.495	1.373	1.82
AS3580-3-36	2.240-2.260	1.620	1.498	1.90
AS3580-3-38	2.365-2.385	1.745	1.623	1.98
AS3580-3-40	2.490-2.510	1.870	1.748	2.07
AS3580-3-42	2.615-2.635	1.995	1.873	2.15
AS3580-3-44	2.740-2.760	2.120	1.998	2.23
AS3580-3-46	2.865-2.885	2.245	2.123	2.33
AS3580-3-48	2.990-3.010	2.370	2.119	2.41
AS3580-3-50	3.115-3.135	2.495	2.244	2.49
AS3580-3-52	3.240-3.260	2.620	2.369	2.57
AS3580-3-54	3.365-3.385	2.745	2.494	2.66
AS3580-3-56	3.490-3.510	2.870	2.619	2.74
AS3580-3-58	3.615-3.635	2.995	2.744	2.82
AS3580-3-60	3.740-3.760	3.120	2.869	2.92
AS3580-3-62	3.865-3.885	3.245	2.994	3.00
AS3580-4-06	.365- .385	.099	.025	1.04
AS3580-4-07	.428- .448	.099	.025	1.11
AS3580-4-08	.490- .510	.099	.025	1.18
AS3580-4-09	.552- .572	.099	.025	1.27
AS3580-4-10	.615- .635	.099	.025	1.34
AS3580-4-11	.678- .698	.099	.025	1.41
AS3580-4-12	.740- .760	.099	.025	1.48
AS3580-4-13	.802- .822	.099	.025	1.57
AS3580-4-14	.865- .885	.125	.025	1.64
AS3580-4-15	.928- .948	.188	.057	1.71
AS3580-4-16	.990-1.010	.250	.119	1.80
AS3580-4-17	1.052-1.072	.312	.181	1.87
AS3580-4-18	1.115-1.135	.375	.244	1.94
AS3580-4-19	1.178-1.198	.438	.307	2.01
AS3580-4-20	1.240-1.260	.500	.369	2.10
AS3580-4-21	1.302-1.322	.562	.431	2.17
AS3580-4-22	1.365-1.385	.625	.494	2.24
AS3580-4-23	1.428-1.448	.688	.557	2.32
AS3580-4-24	1.490-1.510	.750	.619	2.40
AS3580-4-25	1.552-1.572	.812	.681	2.47



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SHEET 8 OF 13

REV.

A



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TABLE 2 - PART NUMBERS, DIMENSIONS L, M, AND N, AND APPROX MASS (CONTINUED)

PART NO.	L	M MAX	N MIN	APPROX MASS LB/100
AS3580-4-26	1.615-1.635	.875	.744	2.54
AS3580-4-27	1.678-1.698	.938	.807	2.62
AS3580-4-28	1.740-1.760	1.000	.869	2.70
AS3580-4-29	1.802-1.822	1.062	.931	2.77
AS3580-4-30	1.865-1.885	1.125	.949	2.84
AS3580-4-31	1.928-1.948	1.188	1.057	2.92
AS3580-4-32	1.990-2.010	1.250	1.119	3.00
AS3580-4-34	2.115-2.135	1.375	1.244	3.15
AS3580-4-36	2.240-2.260	1.500	1.369	3.30
AS3580-4-38	2.365-2.385	1.625	1.494	3.45
AS3580-4-40	2.490-2.510	1.750	1.619	3.60
AS3580-4-42	2.615-2.635	1.875	1.744	3.75
AS3580-4-44	2.740-2.760	2.000	1.869	3.90
AS3580-4-46	2.865-2.885	2.125	1.994	4.05
AS3580-4-48	2.990-3.010	2.250	2.119	4.20
AS3580-4-50	3.115-3.135	2.375	2.244	4.35
AS3580-4-52	3.240-3.260	2.500	2.369	4.51
AS3580-4-54	3.365-3.385	2.625	2.494	4.65
AS3580-4-56	3.490-3.510	2.750	2.619	4.81
AS3580-4-58	3.615-3.635	2.875	2.744	4.95
AS3580-4-60	3.740-3.760	3.000	2.869	5.11
AS3580-4-62	3.865-3.885	3.125	2.994	5.25
AS3580-4-64	3.990-4.010	3.250	3.119	5.41
AS3580-4-66	4.115-4.135	3.375	3.244	5.55
AS3580-4-68	4.240-4.260	3.500	3.369	5.71
AS3580-4-70	4.365-4.385	3.625	3.494	5.87
AS3580-4-72	4.490-4.510	3.750	3.619	6.01
AS3580-4-74	4.615-4.635	3.875	3.744	6.17
AS3580-4-76	4.740-4.760	4.000	3.869	6.31
AS3580-4-78	4.865-4.885	4.125	3.994	6.47
AS3580-4-80	4.990-5.010	4.250	4.119	6.61
AS3580-4-82	5.115-5.135	4.375	4.244	6.77
AS3580-4-84	5.240-5.260	4.500	4.369	6.91
AS3580-4-86	5.365-5.385	4.625	4.494	7.07
AS3580-4-88	5.490-5.510	4.750	4.619	7.21
AS3580-4-90	5.615-5.635	4.875	4.744	7.37
AS3580-4-92	5.740-5.760	5.000	4.869	7.52
AS3580-4-94	5.865-5.885	5.125	4.994	7.67
AS3580-4-96	5.990-6.010	5.250	5.119	7.82
AS3580-5-08	.490- .510	.108	.025	1.91
AS3580-5-09	.552- .572	.108	.025	2.03
AS3580-5-10	.615- .635	.108	.025	2.15
AS3580-5-11	.678- .698	.108	.025	2.26
AS3580-5-12	.740- .760	.108	.025	2.39
AS3580-5-13	.802- .822	.108	.025	2.50
AS3580-5-14	.865- .885	.108	.025	2.63
AS3580-5-15	.928- .948	.108	.025	2.74
AS3580-5-16	.990-1.010	.125	.025	2.87
AS3580-5-17	1.052-1.072	.188	.044	2.98



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