

Full document details: [SAE AS3623C](#)

TABLE 1A - DASH NUMBERS AND DIMENSIONS B THROUGH H

DASH NO.	D NOMINAL THREAD	B		ØC	ØE	ØF MIN	ØG	H MIN
		AS870 DASH NO.	NOMINAL SIZE					
-3	.1900-32 UNJF-3A	-08	.2500	.165-.175	.365-.385	.335	.240-.260	.020
-4	.2500-28 UNJF-3A	-10	.3125	.222-.232	.455-.475	.425	.302-.322	.026
-5	.3125-24 UNJF-3A	-12	.3750	.280-.290	.570-.590	.540	.365-.385	.035
-6	.3750-24 UNJF-3A	-14	.4375	.343-.353	.686-.706	.656	.428-.448	.044
-7	.4375-20 UNJF-3A	-16	.5000	.400-.410	.802-.822	.772	.490-.510	.053
-8	.5000-20 UNJF-3A	-18	.5625	.462-.472	.917-.937	.887	.552-.572	.062
-9	.5625-18 UNJF-3A	-20	.6250	.521-.531	1.032-1.052	1.002	.615-.635	.071
-10	.6250-18 UNJF-3A	-22	.6875	.584-.594	1.148-1.168	1.118	.677-.697	.080
-12	.7500-16 UNJF-3A	-26	.8125	.704-.714	1.379-1.399	1.349	.802-.822	.098
-14	.8750-14 UNJF-3A	-30	.9375	.824-.834	1.610-1.630	1.580	.927-.947	.116
-16	1.0000-12 UNJF-3A	-34	1.0625	.941-.951	1.841-1.861	1.811	1.052-1.072	.134

TABLE 1B - DASH NUMBERS AND DIMENSIONS J THROUGH AB

DASH NO.	J	K	P BASIC	CR	T MIN	(U)	ØAB
-3	.042-.052	.248-.268	.188	.015-.025	.122	.114-.154	.130-.160
-4	.060-.070	.293-.313	.229	.020-.030	.144	.150-.199	.184-.204
-5	.060-.080	.354-.374	.286	.026-.036	.166	.188-.247	.239-.259
-6	.060-.080	.405-.425	.335	.033-.043	.188	.225-.294	.301-.321
-7	.060-.080	.462-.482	.392	.039-.049	.210	.262-.340	.354-.374
-8	.060-.080	.510-.530	.440	.045-.055	.232	.300-.389	.416-.436
-9	.060-.080	.558-.578	.488	.051-.061	.254	.338-.340	.472-.492
-10	.060-.080	.635-.655	.525	.058-.068	.336	.375-.488	.534-.554
-12	.060-.080	.735-.755	.620	.070-.080	.371	.450-.576	.650-.670
-14	.090-.110	.875-.895	.715	.083-.093	.442	.525-.665	.764-.784
-16	.090-.110	.975-.995	.790	.095-.105	.512	.600-.756	.874-.894

TABLE 1C - DASH NUMBERS AND DIMENSIONS AC THROUGH AJ

DASH NO.	AC	AD	AG	AH	AJ
-3	.006	.003	.015	.060-.070	.015
-4	.007	.003	.015	.080-.090	.018
-5	.008	.003	.015	.090-.110	.022
-6	.009	.0025	.020	.090-.110	.022
-7	.010	.0025	.020	.090-.110	.027
-8	.012	.002	.020	.090-.110	.027
-9	.013	.002	.020	.090-.110	.030
-10	.016	.002	.020	.090-.110	.030
-12	.017	.002	.020	.090-.110	.030
-14	.022	.002	.030	.120-.145	.035
-16	.025	.002	.030	.120-.145	.040



AEROSPACE STANDARD

BOLT, MACHINE - DOUBLE HEXAGON
EXTENDED WASHER HEAD, DRILLED,
PD SHANK, COBALT-NICKEL ALLOY,
UNS R30159, 260 KSI MIN

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SHEET 2 OF 14

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TABLE 2 - PART NUMBER AND SHANK LENGTH DIMENSIONS FOR .1900 NOMINAL DIAMETER BOLTS

PART NUMBER	L	M MAX	N MIN	APPROX MASS LB/100	PART NUMBER	L	M MAX	N MIN	APPROX MASS LB/100
AS3623-3-06	.365- .385	.088	.025	.710	AS3623-3-27	1.678-1.698	1.058	.936	1.592
AS3623-3-07	.428- .448	.088	.025	.752	AS3623-3-28	1.740-1.760	1.120	.998	1.634
AS3623-3-08	.490- .510	.088	.025	.794	AS3623-3-29	1.802-1.822	1.182	1.060	1.676
AS3623-3-09	.552- .572	.088	.025	.836	AS3623-3-30	1.865-1.885	1.245	1.123	1.718
AS3623-3-10	.615- .635	.088	.025	.878	AS3623-3-31	1.928-1.948	1.308	1.186	1.760
AS3623-3-11	.678- .698	.088	.025	.920	AS3623-3-32	1.990-2.010	1.370	1.248	1.802
AS3623-3-12	.740- .760	.120	.025	.962	AS3623-3-34	2.115-2.135	1.495	1.373	1.886
AS3623-3-13	.802- .822	.183	.060	1.004	AS3623-6-36	2.240-2.260	1.620	1.498	1.970
AS3623-3-14	.865- .885	.245	.123	1.046	AS3623-6-38	2.365-2.385	1.745	1.623	2.054
AS3623-3-15	.928- .948	.308	.186	1.088	AS3623-3-40	2.490-2.510	1.870	1.748	2.138
AS3623-3-16	.990-1.010	.370	.248	1.130	AS3623-3-42	2.615-2.635	1.995	1.873	2.222
AS3623-3-17	1.052-1.072	.432	.310	1.172	AS3623-3-44	2.740-2.760	2.120	1.998	2.306
AS3623-3-18	1.115-1.135	.495	.373	1.214	AS3623-3-46	2.865-2.885	2.245	2.123	2.390
AS3623-3-19	1.178-1.198	.558	.436	1.256	AS3623-3-48	2.990-3.010	2.370	2.248	2.474
AS3623-3-20	1.240-1.260	.620	.498	1.298	AS3623-3-50	3.115-3.135	2.495	2.373	2.558
AS3623-3-21	1.302-1.322	.682	.560	1.340	AS3623-3-52	3.240-3.260	2.620	2.498	2.642
AS3623-3-22	1.365-1.385	.745	.623	1.382	AS3623-3-54	3.365-3.685	2.745	2.623	2.726
AS3623-3-23	1.428-1.448	.808	.686	1.424	AS3623-3-56	3.490-3.510	2.780	2.748	2.810
AS3623-3-24	1.490-1.510	.870	.748	1.466	AS3623-3-58	3.615-3.635	2.995	2.873	2.894
AS3623-3-25	1.552-1.572	.932	.810	1.508	AS3623-3-60	3.740-3.760	3.120	2.998	2.978
AS3623-3-26	1.615-1.635	.995	.873	1.550	AS3623-3-62	3.865-3.885	3.245	3.123	3.062

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	BOLT, MACHINE - DOUBLE HEXAGON EXTENDED WASHER HEAD, DRILLED, PD SHANK, COBALT-NICKEL ALLOY, UNS R30159, 260 KSI MIN		

TABLE 3 - PART NUMBER AND SHANK LENGTH DIMENSIONS FOR .2500 NOMINAL DIAMETER BOLTS

PART NUMBER	L	M MAX	N MIN	APPROX MASS LB/100	PART NUMBER	L	M MAX	N MIN	APPROX MASS LB/100
AS3623-4-07	.428- .448	.101	.030	1.561	AS3623-4-40	2.490-2.510	1.750	1.619	3.354
AS3623-4-08	.490- .510	.101	.030	1.641	AS3623-4-42	2.615-2.635	1.875	1.744	4.514
AS3623-4-09	.552- .572	.101	.030	1.721	AS3623-4-44	2.740-2.760	2.000	1.869	4.673
AS3623-4-10	.615- .635	.101	.030	1.800	AS3623-4-46	2.865-2.885	2.125	1.994	4.833
AS3623-4-11	.678- .698	.101	.030	1.880	AS3623-4-48	2.990-3.010	2.250	2.119	4.992
AS3623-4-12	.740- .760	.101	.030	1.960	AS3623-4-50	3.115-3.135	2.375	2.244	5.152
AS3623-4-13	.802- .822	.101	.030	2.040	AS3623-4-52	3.240-3.260	2.500	2.369	5.312
AS3623-4-14	.865- .885	.125	.030	2.120	AS3623-4-54	3.365-3.685	2.625	2.494	5.471
AS3623-4-15	.928- .948	.188	.057	2.199	AS3623-4-56	3.490-3.510	2.750	2.619	5.631
AS3623-4-16	.990-1.010	.250	.119	2.279	AS3623-4-58	3.615-3.635	2.875	2.744	5.790
AS3623-4-17	1.052-1.072	.312	.181	2.359	AS3623-4-60	3.740-3.760	3.000	2.869	5.950
AS3623-4-18	1.115-1.135	.375	.244	2.439	AS3623-4-62	3.865-3.885	3.125	2.994	6.110
AS3623-4-19	1.178-1.198	.438	.307	2.519	AS3623-4-64	3.990-4.010	3.250	3.119	6.269
AS3623-4-20	1.240-1.260	.500	.369	2.598	AS3623-4-66	4.115-4.135	3.375	3.244	6.429
AS3623-4-21	1.302-1.322	.562	.431	2.678	AS3623-4-68	4.240-4.260	3.500	3.369	6.588
AS3623-4-22	1.365-1.385	.625	.494	2.758	AS3623-4-70	4.365-4.385	3.625	3.494	6.748
AS3623-4-23	1.428-1.448	.688	.557	2.838	AS3623-4-72	4.490-4.510	3.750	3.619	6.908
AS3623-4-24	1.490-1.510	.750	.619	2.918	AS3623-4-74	4.615-4.635	3.875	3.744	7.067
AS3623-4-25	1.552-1.572	.812	.681	2.997	AS3623-4-76	4.740-4.760	4.000	3.869	7.227
AS3623-4-26	1.615-1.635	.875	.744	3.077	AS3623-4-78	4.865-4.885	4.125	3.994	7.386
AS3623-4-27	1.678-1.698	.938	.807	3.157	AS3623-4-80	4.990-5.010	4.250	4.119	7.546
AS3623-4-28	1.740-1.760	1.000	.869	3.237	AS3623-4-82	5.115-5.135	4.375	4.244	7.706
AS3623-4-29	1.802-1.822	1.062	.931	3.317	AS3623-4-84	5.240-5.260	4.500	4.369	7.865
AS3623-4-30	1.865-1.885	1.125	.994	3.396	AS3623-4-86	5.365-5.385	4.625	4.494	8.025
AS3623-4-31	1.928-1.948	1.188	1.057	3.476	AS3623-4-88	5.490-5.510	4.750	4.619	8.184
AS3623-4-32	1.990-2.010	1.250	1.119	3.556	AS3623-4-90	5.615-5.635	4.875	4.744	8.344
AS3623-4-34	2.115-2.135	1.375	1.244	3.716	AS3623-4-92	5.740-5.760	5.000	4.869	8.503
AS3623-4-36	2.240-2.260	1.500	1.369	4.035	AS3623-4-94	5.865-5.885	5.125	4.994	8.663
AS3623-4-38	2.365-2.385	1.625	1.494	4.195	AS3623-4-96	5.990-6.010	5.250	5.119	8.823



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TABLE 4 - PART NUMBER AND SHANK LENGTH DIMENSIONS FOR .3125 NOMINAL DIAMETER BOLTS

PART NUMBER	L	M MAX	N MIN	APPROX MASS LB/100	PART NUMBER	L	M MAX	N MIN	APPROX MASS LB/100
AS3623-5-08	.490- .510	.119	.036	2.785	AS3623-5-42	2.615-2.635	1.750	1.607	7.590
AS3623-5-09	.552- .572	.119	.036	2.927	AS3623-5-44	2.740-2.760	1.875	1.732	7.875
AS3623-5-10	.615- .635	.119	.036	3.070	AS3623-5-46	2.865-2.885	2.000	1.857	8.159
AS3623-5-11	.678- .698	.119	.036	3.212	AS3623-5-48	2.990-3.010	2.125	1.982	8.444
AS3623-5-12	.740- .760	.119	.036	3.355	AS3623-5-50	3.115-3.135	2.250	2.107	8.729
AS3623-5-13	.802- .822	.119	.036	3.497	AS3623-5-52	3.240-3.260	2.375	2.232	9.014
AS3623-5-14	.865- .885	.119	.036	3.639	AS3623-5-54	3.365-3.685	2.500	2.357	9.299
AS3623-5-15	.928- .948	.119	.036	3.782	AS3623-5-56	3.490-3.510	2.625	2.482	9.583
AS3623-5-16	.990-1.010	.125	.036	3.924	AS3623-5-58	3.615-3.635	2.750	2.607	9.868
AS3623-5-17	1.052-1.072	.188	.045	4.067	AS3623-5-60	3.740-3.760	2.875	2.732	10.153
AS3623-5-18	1.115-1.135	.250	.107	4.209	AS3623-5-62	3.865-3.885	3.000	2.857	10.438
AS3623-5-19	1.178-1.198	.312	.170	4.351	AS3623-5-64	3.990-4.010	3.125	2.982	10.723
AS3623-5-20	1.240-1.260	.375	.232	4.494	AS3623-5-66	4.115-4.135	3.250	3.107	11.007
AS3623-5-21	1.302-1.322	.438	.294	4.636	AS3623-5-68	4.240-4.260	3.375	3.232	11.292
AS3623-5-22	1.365-1.385	.500	.357	4.779	AS3623-5-70	4.365-4.385	3.500	3.357	11.577
AS3623-5-23	1.428-1.448	.562	.420	4.921	AS3623-5-72	4.490-4.510	3.625	3.482	11.862
AS3623-5-24	1.490-1.510	.625	.482	5.063	AS3623-5-74	4.615-4.635	3.750	3.607	12.147
AS3623-5-25	1.552-1.572	.688	.544	5.206	AS3623-5-76	4.740-4.760	3.875	3.732	12.431
AS3623-5-26	1.615-1.635	.750	.607	5.348	AS3623-5-78	4.865-4.885	4.000	3.857	12.716
AS3623-5-27	1.678-1.698	.812	.670	5.491	AS3623-5-80	4.990-5.010	4.125	3.982	13.001
AS3623-5-28	1.740-1.760	.875	.732	5.633	AS3623-5-82	5.115-5.135	4.250	4.107	13.286
AS3623-5-29	1.802-1.822	.938	.794	5.775	AS3623-5-84	5.240-5.260	4.375	4.232	13.571
AS3623-5-30	1.865-1.885	1.000	.857	5.918	AS3623-5-86	5.365-5.385	4.500	4.357	13.855
AS3623-5-31	1.928-1.948	1.062	.920	6.060	AS3623-5-88	5.490-5.510	4.625	4.482	14.140
AS3623-5-32	1.990-2.010	1.125	.982	6.203	AS3623-5-90	5.615-5.635	4.750	4.607	14.425
AS3623-5-34	2.115-2.135	1.250	1.107	6.469	AS3623-5-92	5.740-5.760	4.875	4.732	14.710
AS3623-5-36	2.240-2.260	1.375	1.232	6.735	AS3623-5-94	5.865-5.885	5.000	4.857	14.955
AS3623-5-38	2.365-2.385	1.500	1.357	7.020	AS3623-5-96	5.990-6.010	5.125	4.982	15.279
AS3623-5-40	2.490-2.510	1.625	1.482	7.305					