

REV.
A

SAE AS3611

FEDERAL SUPPLY CLASS
5306

RATIONALE

CORRECT TYPOGRAPHICAL ERROR IN L DIM FOR ALL .54 LENGTHS FOR ALL THREAD DIAMETERS.

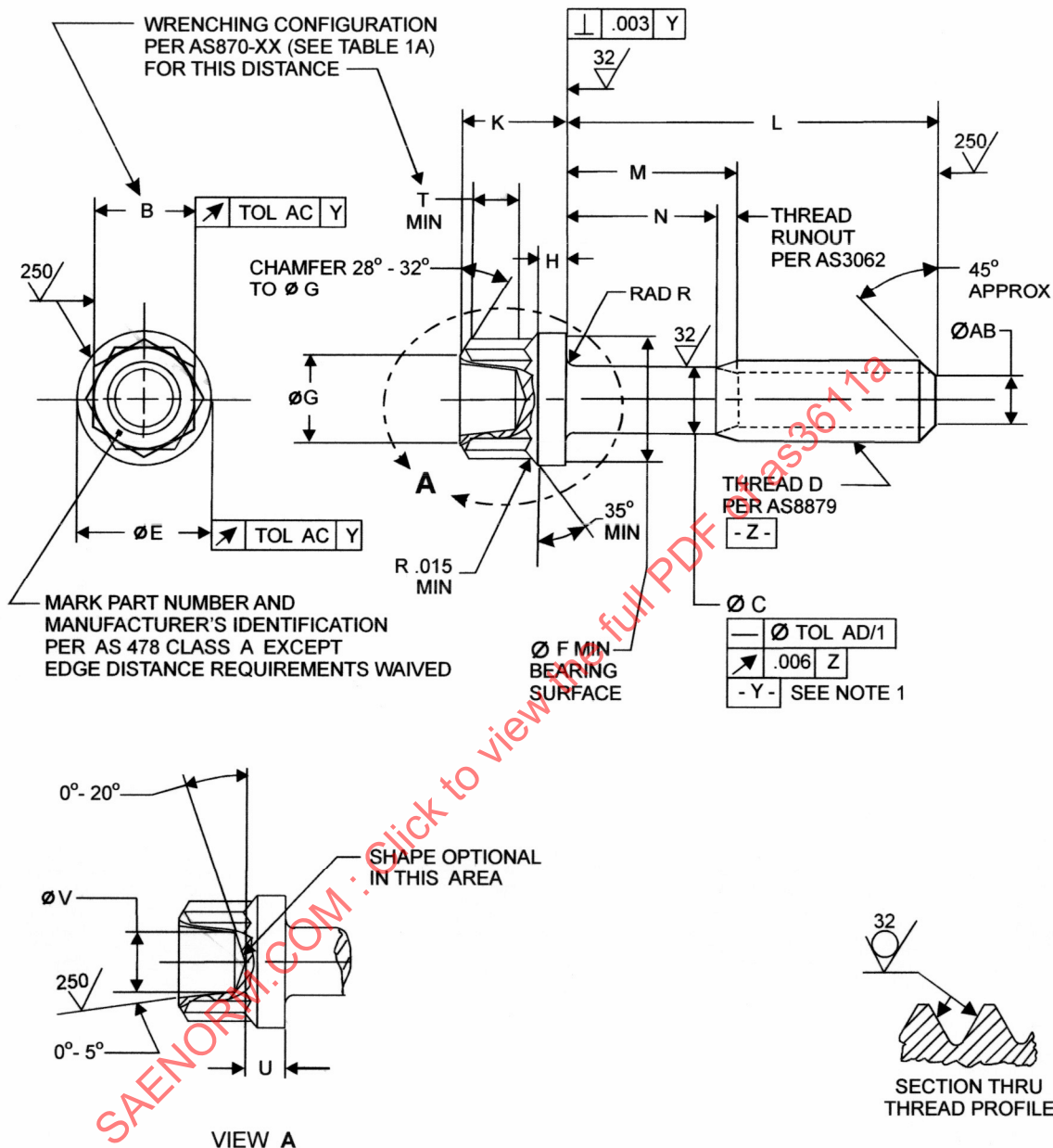
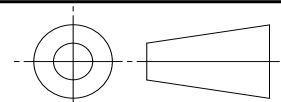


FIGURE 1 – BOLT

SAE values your input. To provide feedback on this Technical Report, please visit <http://www.sae.org/technical/standards/AS3611A>

THIRD ANGLE PROJECTION



CUSTODIAN: E-25

SAE Aerospace
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AEROSPACE STANDARD

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

SAE AS3611
SHEET 1 OF 13

REV.
A

TABLE 1A - DASH NUMBERS AND DIMENSIONS D - H

DASH NO.	D NOMINAL THREAD	B		C	E	F MIN	G	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 K - AD

DASH NO.	K	R	T MIN	U	V	AB	AC	AD
-3	.248 - .268	.015 - .025	.122	.114 - .134	.090 - .110	.110 - .130	.006	.003
-4	.293 - .313	.020 - .030	.144	.150 - .170	.140 - .160	.164 - .184	.007	.003
-5	.354 - .374	.026 - .036	.166	.188 - .208	.196 - .216	.219 - .239	.008	.003
-6	.405 - .425	.033 - .043	.188	.225 - .245	.250 - .270	.281 - .301	.010	.0025
-7	.462 - .482	.039 - .049	.210	.262 - .282	.300 - .320	.334 - .354	.010	.0025
-8	.510 - .530	.045 - .055	.232	.300 - .320	.360 - .380	.396 - .416	.012	.002
-9	.558 - .578	.051 - .061	.254	.338 - .358	.430 - .450	.452 - .472	.013	.002
-10	.635 - .655	.058 - .068	.336	.375 - .395	.490 - .510	.514 - .534	.016	.002
-12	.735 - .755	.070 - .080	.371	.450 - .470	.560 - .580	.630 - .650	.017	.002
-14	.875 - .895	.082 - .092	.442	.525 - .545	.640 - .660	.744 - .764	.022	.002
-16	.975 - .995	.095 - .105	.512	.600 - .620	.730 - .750	.854 - .874	.025	.002

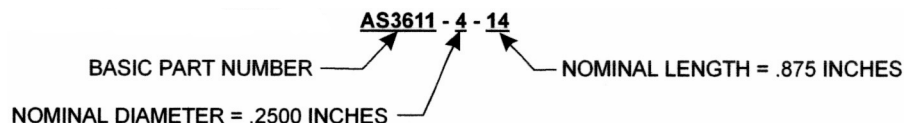
NOTES:

- FOR PARTS WITH A MINIMUM SHANK LENGTH (DIM 'N') EQUAL TO OR LESS THAN 1.5D THE THREAD PD (DATUM -Z-) SHALL REPLACE DATUM -Y-.
- MATERIAL: COBALT-NICKEL ALLOY PER AMS 5842 (UNS R30159).
- PROCUREMENT SPECIFICATION: AS7475.
- FLUORESCENT PENETRANT INSPECTION PER ASTM E 1417.
- 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 - .015, UNLESS OTHERWISE SPECIFIED.

 An SAE International Group	AEROSPACE STANDARD		SAE AS3611 SHEET 2 OF 13	REV. A
	BOLT, MACHINE – DOUBLE HEXAGON EXTENDED WASHER HEAD, PD SHANK, COBALT-NICKEL ALLOY UNS R30159, 260 KSI MIN			

7. DIMENSIONS IN INCHES.
8. DIMENSIONING AND TOLERANCING PER ANSI Y14.5-1982 (ASME PUBLICATION).
9. DO NOT USE UNASSIGNED PART NUMBERS.
10. THE PART NUMBER SHALL CONSIST OF THE BASIC PART NUMBER, FIRST DASH NUMBER DESIGNATING THE NOMINAL DIAMETER AND THE SECOND DASH NUMBER DESIGNATING THE NOMINAL LENGTH IN SIXTEENTHS (.0625) OF AN INCH.

EXAMPLE OF COMPLETE PART NUMBER:



AS AND AMS ARE SOCIETY OF AUTOMOTIVE ENGINEERS, INC. PUBLICATIONS.
 ASME IS AN AMERICAN SOCIETY OF MECHANICAL ENGINEERS PUBLICATION.
 ASTM IS AN ASTM INTERNATIONAL PUBLICATION.

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
AS3611-3-06	.365 - .385	.088	.025	.710	AS3611-3-27	1.678 - 1.698	1.058	.936	1.592
AS3611-3-07	.428 - .448	.088	.025	.752	AS3611-3-28	1.740 - 1.760	1.120	.998	1.634
AS3611-3-08	.490 - .510	.088	.025	.794	AS3611-3-29	1.802 - 1.822	1.182	1.060	1.676
AS3611-3-09	.552 - .572	.088	.025	.836	AS3611-3-30	1.865 - 1.885	1.245	1.123	1.718
AS3611-3-10	.615 - .635	.088	.025	.878	AS3611-3-31	1.928 - 1.948	1.308	1.186	1.760
AS3611-3-11	.678 - .698	.088	.025	.920	AS3611-3-32	1.990 - 2.010	1.370	1.248	1.802
AS3611-3-12	.740 - .760	.120	.025	.962	AS3611-3-34	2.115 - 2.135	1.495	1.373	1.886
AS3611-3-13	.802 - .822	.183	.060	1.004	AS3611-3-36	2.240 - 2.260	1.620	1.498	1.970
AS3611-3-14	.865 - .885	.245	.123	1.046	AS3611-3-38	2.365 - 2.385	1.745	1.623	2.054
AS3611-3-15	.928 - .948	.308	.186	1.088	AS3611-3-40	2.490 - 2.510	1.870	1.748	2.138
AS3611-3-16	.990 - 1.010	.370	.248	1.130	AS3611-3-42	2.615 - 2.635	1.995	1.873	2.222
AS3611-3-17	1.052 - 1.072	.432	.310	1.172	AS3611-3-44	2.740 - 2.760	2.120	1.998	2.306
AS3611-3-18	1.115 - 1.135	.495	.373	1.214	AS3611-3-46	2.865 - 2.885	2.245	2.123	2.390
AS3611-3-19	1.178 - 1.198	.558	.436	1.256	AS3611-3-48	2.990 - 3.010	2.370	2.248	2.474
AS3611-3-20	1.240 - 1.260	.620	.498	1.298	AS3611-3-50	3.115 - 3.135	2.495	2.373	2.558
AS3611-3-21	1.302 - 1.322	.682	.560	1.340	AS3611-3-52	3.240 - 3.260	2.620	2.498	2.642
AS3611-3-22	1.365 - 1.385	.745	.623	1.382	AS3611-3-54	3.365 - 3.385	2.745	2.623	2.726
AS3611-3-23	1.428 - 1.448	.808	.686	1.424	AS3611-3-56	3.490 - 3.510	2.780	2.748	2.810
AS3611-3-24	1.490 - 1.510	.870	.748	1.466	AS3611-3-58	3.615 - 3.635	2.995	2.873	2.894
AS3611-3-25	1.552 - 1.572	.932	.810	1.508	AS3611-3-60	3.740 - 3.760	3.120	2.998	2.978
AS3611-3-26	1.615 - 1.635	.995	.873	1.550	AS3611-3-62	3.865 - 3.885	3.245	3.123	3.062

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
AS3611-4-07	.428 - .448	.101	.030	1.561	AS3611-4-40	2.490 - 2.510	1.750	1.619	4.354
AS3611-4-08	.490 - .510	.101	.030	1.641	AS3611-4-42	2.615 - 2.635	1.875	1.744	4.514
AS3611-4-09	.552 - .572	.101	.030	1.721	AS3611-4-44	2.740 - 2.760	2.000	1.869	4.673
AS3611-4-10	.615 - .635	.101	.030	1.800	AS3611-4-46	2.865 - 2.885	2.125	1.994	4.833
AS3611-4-11	.678 - .698	.101	.030	1.880	AS3611-4-48	2.990 - 3.010	2.250	2.119	4.992
AS3611-4-12	.740 - .760	.101	.030	1.960	AS3611-4-50	3.115 - 3.135	2.375	2.244	5.152
AS3611-4-13	.802 - .822	.101	.030	2.040	AS3611-4-52	3.240 - 3.260	2.500	2.369	5.312
AS3611-4-14	.865 - .885	.125	.030	2.120	AS3611-4-54	3.365 - 3.385	2.625	2.494	5.471
AS3611-4-15	.928 - .948	.188	.057	2.199	AS3611-4-56	3.490 - 3.510	2.750	2.619	5.631
AS3611-4-16	.990 - 1.010	.250	.119	2.279	AS3611-4-58	3.615 - 3.635	2.875	2.744	5.790
AS3611-4-17	1.052 - 1.072	.312	.181	2.359	AS3611-4-60	3.740 - 3.760	3.000	2.869	5.950
AS3611-4-18	1.115 - 1.135	.375	.244	2.439	AS3611-4-62	3.865 - 3.885	3.125	2.994	6.110
AS3611-4-19	1.178 - 1.198	.438	.307	2.519	AS3611-4-64	3.990 - 4.010	3.250	3.119	6.269
AS3611-4-20	1.240 - 1.260	.500	.369	2.598	AS3611-4-66	4.115 - 4.135	3.375	3.244	6.429
AS3611-4-21	1.302 - 1.322	.562	.431	2.678	AS3611-4-68	4.240 - 4.260	3.500	3.369	6.588
AS3611-4-22	1.365 - 1.385	.625	.494	2.758	AS3611-4-70	4.365 - 4.385	3.625	3.494	6.748
AS3611-4-23	1.428 - 1.448	.688	.557	2.838	AS3611-4-72	4.490 - 4.510	3.750	3.619	6.908
AS3611-4-24	1.490 - 1.510	.750	.619	2.918	AS3611-4-74	4.615 - 4.635	3.875	3.744	7.067
AS3611-4-25	1.552 - 1.572	.812	.681	2.997	AS3611-4-76	4.740 - 4.760	4.000	3.869	7.227
AS3611-4-26	1.615 - 1.635	.875	.744	3.077	AS3611-4-78	4.865 - 4.885	4.125	3.994	7.386
AS3611-4-27	1.678 - 1.698	.938	.807	3.157	AS3611-4-80	4.990 - 5.010	4.250	4.119	7.546
AS3611-4-28	1.740 - 1.760	1.000	.869	3.237	AS3611-4-82	5.115 - 5.135	4.375	4.244	7.706
AS3611-4-29	1.802 - 1.822	1.062	.931	3.317	AS3611-4-84	5.240 - 5.260	4.500	4.369	7.865
AS3611-4-30	1.865 - 1.885	1.125	.994	3.396	AS3611-4-86	5.365 - 5.385	4.625	4.494	8.025
AS3611-4-31	1.928 - 1.948	1.188	1.057	3.476	AS3611-4-88	5.490 - 5.510	4.750	4.619	8.184
AS3611-4-32	1.990 - 2.010	1.250	1.119	3.556	AS3611-4-90	5.615 - 5.635	4.875	4.744	8.344
AS3611-4-34	2.115 - 2.135	1.375	1.244	3.716	AS3611-4-92	5.740 - 5.760	5.000	4.869	8.503
AS3611-4-36	2.240 - 2.260	1.500	1.369	4.035	AS3611-4-94	5.865 - 5.885	5.125	4.994	8.663
AS3611-4-38	2.365 - 2.385	1.625	1.494	4.195	AS3611-4-96	5.990 - 6.010	5.250	5.119	8.823

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
AS3611-5-08	.490 - .510	.119	.036	2.785	AS3611-5-42	2.615 - 2.635	1.750	1.607	7.590
AS3611-5-09	.552 - .572	.119	.036	2.927	AS3611-5-44	2.740 - 2.760	1.875	1.732	7.875
AS3611-5-10	.615 - .635	.119	.036	3.070	AS3611-5-46	2.865 - 2.885	2.000	1.857	8.159
AS3611-5-11	.678 - .698	.119	.036	3.212	AS3611-5-48	2.990 - 3.010	2.125	1.982	8.444
AS3611-5-12	.740 - .760	.119	.036	3.355	AS3611-5-50	3.115 - 3.135	2.250	2.107	8.729
AS3611-5-13	.802 - .822	.119	.036	3.497	AS3611-5-52	3.240 - 3.260	2.375	2.232	9.014
AS3611-5-14	.865 - .885	.119	.036	3.639	AS3611-5-54	3.365 - 3.385	2.500	2.357	9.299
AS3611-5-15	.928 - .948	.119	.036	3.782	AS3611-5-56	3.490 - 3.510	2.625	2.482	9.583
AS3611-5-16	.990 - 1.010	.125	.036	3.924	AS3611-5-58	3.615 - 3.635	2.750	2.607	9.868
AS3611-5-17	1.052 - 1.072	.188	.045	4.067	AS3611-5-60	3.740 - 3.760	2.875	2.732	10.153
AS3611-5-18	1.115 - 1.135	.250	.107	4.209	AS3611-5-62	3.865 - 3.885	3.000	2.857	10.438
AS3611-5-19	1.178 - 1.198	.312	.170	4.351	AS3611-5-64	3.990 - 4.010	3.125	2.982	10.723
AS3611-5-20	1.240 - 1.260	.375	.232	4.494	AS3611-5-66	4.115 - 4.135	3.250	3.107	11.007
AS3611-5-21	1.302 - 1.322	.438	.294	4.636	AS3611-5-68	4.240 - 4.260	3.375	3.232	11.292
AS3611-5-22	1.365 - 1.385	.500	.357	4.779	AS3611-5-70	4.365 - 4.385	3.500	3.357	11.577
AS3611-5-23	1.428 - 1.448	.562	.420	4.921	AS3611-5-72	4.490 - 4.510	3.625	3.482	11.862
AS3611-5-24	1.490 - 1.510	.625	.482	5.063	AS3611-5-74	4.615 - 4.635	3.750	3.607	12.147
AS3611-5-25	1.552 - 1.572	.688	.544	5.206	AS3611-5-76	4.740 - 4.760	3.875	3.732	12.431
AS3611-5-26	1.615 - 1.635	.750	.607	5.348	AS3611-5-78	4.865 - 4.885	4.000	3.857	12.716
AS3611-5-27	1.678 - 1.698	.812	.670	5.491	AS3611-5-80	4.990 - 5.010	4.125	3.982	13.001
AS3611-5-28	1.740 - 1.760	.875	.732	5.633	AS3611-5-82	5.115 - 5.135	4.250	4.107	13.286
AS3611-5-29	1.802 - 1.822	.938	.794	5.775	AS3611-5-84	5.240 - 5.260	4.375	4.232	13.571
AS3611-5-30	1.865 - 1.885	1.000	.857	5.918	AS3611-5-86	5.365 - 5.385	4.500	4.357	13.855
AS3611-5-31	1.928 - 1.948	1.062	.920	6.060	AS3611-5-88	5.490 - 5.510	4.625	4.482	14.140
AS3611-5-32	1.990 - 2.010	1.125	.982	6.203	AS3611-5-90	5.615 - 5.635	4.750	4.607	14.425
AS3611-5-34	2.115 - 2.135	1.250	1.107	6.469	AS3611-5-92	5.740 - 5.760	4.875	4.732	14.710
AS3611-5-36	2.240 - 2.260	1.375	1.232	6.735	AS3611-5-94	5.865 - 5.885	5.000	4.857	14.955
AS3611-5-38	2.365 - 2.385	1.500	1.357	7.020	AS3611-5-96	5.990 - 6.010	5.125	4.982	15.279
AS3611-5-40	2.490 - 2.510	1.625	1.482	7.305					

TABLE 5 - PART NUMBER AND SHANK LENGTH DIMENSIONS FOR .3750 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
AS3611-6-09	.552 - .572	.126	.043	4.364	AS3611-6-42	2.615 - 2.635	1.625	1.482	10.460
AS3611-6-10	.615 - .635	.126	.043	4.549	AS3611-6-44	2.740 - 2.760	1.750	1.607	10.829
AS3611-6-11	.678 - .698	.126	.043	4.733	AS3611-6-46	2.865 - 2.885	1.875	1.732	11.199
AS3611-6-12	.740 - .760	.126	.043	4.918	AS3611-6-48	2.990 - 3.010	2.000	1.857	11.568
AS3611-6-13	.802 - .822	.126	.043	5.103	AS3611-6-50	3.115 - 3.135	2.125	1.982	11.938
AS3611-6-14	.865 - .885	.126	.043	5.288	AS3611-6-52	3.240 - 3.260	2.250	2.107	12.307
AS3611-6-15	.928 - .948	.126	.043	5.472	AS3611-6-54	3.365 - 3.385	2.375	2.232	12.677
AS3611-6-16	.990 - 1.010	.126	.043	5.657	AS3611-6-56	3.490 - 3.510	2.500	2.357	13.046
AS3611-6-17	1.052 - 1.072	.126	.043	5.842	AS3611-6-58	3.615 - 3.635	2.625	2.482	13.416
AS3611-6-18	1.115 - 1.135	.126	.043	6.026	AS3611-6-60	3.740 - 3.760	2.750	2.607	13.7851
AS3611-6-19	1.178 - 1.198	.188	.045	6.211	AS3611-6-62	3.865 - 3.885	2.875	2.732	14.155
AS3611-6-20	1.240 - 1.260	.250	.107	6.396	AS3611-6-64	3.990 - 4.010	3.000	2.857	14.524
AS3611-6-21	1.302 - 1.322	.312	.169	6.580	AS3611-6-66	4.115 - 4.135	3.125	2.982	14.894
AS3611-6-22	1.365 - 1.385	.375	.232	6.765	AS3611-6-68	4.240 - 4.260	3.250	3.107	15.263
AS3611-6-23	1.428 - 1.448	.438	.295	6.950	AS3611-6-70	4.365 - 4.385	3.375	3.232	15.633
AS3611-6-24	1.490 - 1.510	.500	.357	7.134	AS3611-6-72	4.490 - 4.510	3.500	3.357	16.002
AS3611-6-25	1.552 - 1.572	.562	.419	7.319	AS3611-6-74	4.615 - 4.635	3.625	3.482	16.372
AS3611-6-26	1.615 - 1.635	.625	.482	7.504	AS3611-6-76	4.740 - 4.760	3.750	3.607	16.741
AS3611-6-27	1.678 - 1.698	.688	.545	7.689	AS3611-6-78	4.865 - 4.885	3.875	3.732	17.111
AS3611-6-28	1.740 - 1.760	.750	.607	7.873	AS3611-6-80	4.990 - 5.010	4.000	3.857	17.480
AS3611-6-29	1.802 - 1.822	.812	.669	8.058	AS3611-6-82	5.115 - 5.135	4.125	3.982	17.850
AS3611-6-30	1.865 - 1.885	.875	.732	8.243	AS3611-6-84	5.240 - 5.260	4.250	4.107	18.219
AS3611-6-31	1.928 - 1.948	.938	.795	8.427	AS3611-6-86	5.365 - 5.385	4.375	4.232	18.589
AS3611-6-32	1.990 - 2.010	1.000	.857	8.612	AS3611-6-88	5.490 - 5.510	4.500	4.357	18.958
AS3611-6-34	2.115 - 2.135	1.125	.982	8.982	AS3611-6-90	5.615 - 5.635	4.625	4.482	19.328
AS3611-6-36	2.240 - 2.260	1.250	1.107	9.351	AS3611-6-92	5.740 - 5.760	4.750	4.607	19.697
AS3611-6-38	2.365 - 2.385	1.375	1.232	9.721	AS3611-6-94	5.865 - 5.885	4.875	4.732	20.066
AS3611-6-40	2.490 - 2.510	1.500	1.357	10.090	AS3611-6-96	5.990 - 6.010	5.000	4.857	20.436

TABLE 6 - PART NUMBER AND SHANK LENGTH DIMENSIONS FOR .4375 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
AS3611-7-11	.678 - .698	.149	.049	6.824	AS3611-7-44	2.740 - 2.760	1.625	1.465	15.051
AS3611-7-12	.740 - .760	.149	.049	7.073	AS3611-7-46	2.865 - 2.885	1.750	1.590	15.550
AS3611-7-13	.802 - .822	.149	.049	7.323	AS3611-7-48	2.990 - 3.010	1.875	1.715	16.048
AS3611-7-14	.865 - .885	.149	.049	7.572	AS3611-7-50	3.115 - 3.135	2.000	1.840	16.547
AS3611-7-15	.928 - .948	.149	.049	7.821	AS3611-7-52	3.240 - 3.260	2.125	1.965	17.045
AS3611-7-16	.990 - 1.010	.149	.049	8.070	AS3611-7-54	3.365 - 3.385	2.250	2.090	17.544
AS3611-7-17	1.052 - 1.072	.149	.049	8.320	AS3611-7-56	3.490 - 3.510	2.375	2.215	18.541
AS3611-7-18	1.115 - 1.135	.149	.049	8.569	AS3611-7-58	3.615 - 3.635	2.500	2.340	19.040
AS3611-7-19	1.178 - 1.198	.149	.049	8.818	AS3611-7-60	3.740 - 3.760	2.625	2.465	19.538
AS3611-7-20	1.240 - 1.260	.149	.049	9.068	AS3611-7-62	3.865 - 3.885	2.750	2.590	20.037
AS3611-7-21	1.302 - 1.322	.188	.049	9.317	AS3611-7-64	3.990 - 4.010	2.875	2.715	20.536
AS3611-7-22	1.365 - 1.385	.250	.090	9.566	AS3611-7-66	4.115 - 4.135	3.000	2.840	21.034
AS3611-7-23	1.428 - 1.448	.312	.153	9.816	AS3611-7-68	4.240 - 4.260	3.125	2.965	21.533
AS3611-7-24	1.490 - 1.510	.375	.215	10.065	AS3611-7-70	4.365 - 4.385	3.250	3.090	22.032
AS3611-7-25	1.552 - 1.572	.438	.277	10.314	AS3611-7-72	4.490 - 4.510	3.375	3.215	22.530
AS3611-7-26	1.615 - 1.635	.500	.340	10.564	AS3611-7-74	4.615 - 4.635	3.500	3.340	23.029
AS3611-7-27	1.678 - 1.698	.562	.403	10.813	AS3611-7-76	4.740 - 4.760	3.625	3.465	23.527
AS3611-7-28	1.740 - 1.760	.625	.465	11.062	AS3611-7-78	4.865 - 4.885	3.750	3.590	24.026
AS3611-7-29	1.802 - 1.822	.688	.527	11.311	AS3611-7-80	4.990 - 5.010	3.875	3.715	24.525
AS3611-7-30	1.865 - 1.885	.750	.590	11.561	AS3611-7-82	5.115 - 5.135	4.000	3.840	25.023
AS3611-7-31	1.928 - 1.948	.812	.653	11.810	AS3611-7-84	5.240 - 5.260	4.125	3.965	25.522
AS3611-7-32	1.990 - 2.010	.875	.715	12.059	AS3611-7-86	5.365 - 5.385	4.250	4.090	26.020
AS3611-7-34	2.115 - 2.135	1.000	.840	12.558	AS3611-7-88	5.490 - 5.510	4.375	4.215	26.519
AS3611-7-36	2.240 - 2.260	1.125	.965	13.056	AS3611-7-90	5.615 - 5.635	4.500	4.340	27.018
AS3611-7-38	2.365 - 2.385	1.250	1.090	13.555	AS3611-7-92	5.740 - 5.760	4.625	4.465	27.516
AS3611-7-40	2.490 - 2.510	1.375	1.215	14.054	AS3611-7-94	5.865 - 5.885	4.750	4.590	28.015
AS3611-7-42	2.615 - 2.635	1.500	1.340	14.552	AS3611-7-96	5.990 - 6.010	4.875	4.715	28.513

TABLE 7 - PART NUMBER AND SHANK LENGTH DIMENSIONS FOR .5000 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
AS3611-8-12	.740 - .760	.155	.055	9.688	AS3611-8-46	2.865 - 2.885	1.625	1.465	20.926
AS3611-8-13	.802 - .822	.155	.055	10.018	AS3611-8-48	2.990 - 3.010	1.750	1.590	21.586
AS3611-8-14	.865 - .885	.155	.055	10.348	AS3611-8-50	3.115 - 3.135	1.875	1.715	22.247
AS3611-8-15	.928 - .948	.155	.055	10.678	AS3611-8-52	3.240 - 3.260	2.000	1.840	22.907
AS3611-8-16	.990 - 1.010	.155	.055	11.008	AS3611-8-54	3.365 - 3.385	2.125	1.965	23.567
AS3611-8-17	1.052 - 1.072	.155	.055	11.338	AS3611-8-56	3.490 - 3.510	2.250	2.090	24.228
AS3611-8-18	1.115 - 1.135	.155	.055	11.668	AS3611-8-58	3.615 - 3.635	2.375	2.215	24.888
AS3611-8-19	1.178 - 1.198	.155	.055	12.009	AS3611-8-60	3.740 - 3.760	2.500	2.340	25.548
AS3611-8-20	1.240 - 1.260	.155	.055	12.339	AS3611-8-62	3.865 - 3.885	2.625	2.465	26.209
AS3611-8-21	1.302 - 1.322	.155	.055	12.670	AS3611-8-64	3.990 - 4.010	2.750	2.590	26.869
AS3611-8-22	1.365 - 1.385	.155	.055	13.000	AS3611-8-66	4.115 - 4.135	2.875	2.715	27.529
AS3611-8-23	1.428 - 1.448	.188	.055	13.330	AS3611-8-68	4.240 - 4.260	3.000	2.840	28.190
AS3611-8-24	1.490 - 1.510	.250	.090	13.661	AS3611-8-70	4.365 - 4.385	3.125	2.965	28.850
AS3611-8-25	1.552 - 1.572	.312	.152	13.991	AS3611-8-72	4.490 - 4.510	3.250	3.090	29.511
AS3611-8-26	1.615 - 1.635	.375	.215	14.321	AS3611-8-74	4.615 - 4.635	3.375	3.215	30.171
AS3611-8-27	1.678 - 1.698	.438	.278	14.651	AS3611-8-76	4.740 - 4.760	3.500	3.340	30.831
AS3611-8-28	1.740 - 1.760	.500	.340	14.982	AS3611-8-78	4.865 - 4.885	3.625	3.465	31.492
AS3611-8-29	1.802 - 1.822	.562	.402	15.312	AS3611-8-80	4.990 - 5.010	3.750	3.590	32.152
AS3611-8-30	1.865 - 1.885	.625	.465	15.642	AS3611-8-82	5.115 - 5.135	3.875	3.715	32.813
AS3611-8-31	1.928 - 1.948	.688	.528	15.973	AS3611-8-84	5.240 - 5.260	4.000	3.840	33.473
AS3611-8-32	1.990 - 2.010	.750	.590	16.303	AS3611-8-86	5.365 - 5.385	4.125	3.965	34.133
AS3611-8-34	2.115 - 2.135	.875	.715	16.963	AS3611-8-88	5.490 - 5.510	4.250	4.090	34.794
AS3611-8-36	2.240 - 2.260	1.000	.840	17.623	AS3611-8-90	5.615 - 5.635	4.375	4.215	35.454
AS3611-8-38	2.365 - 2.385	1.125	.965	18.284	AS3611-8-92	5.740 - 5.760	4.500	4.340	36.114
AS3611-8-40	2.490 - 2.510	1.250	1.090	18.944	AS3611-8-94	5.865 - 5.885	4.625	4.465	36.775
AS3611-8-42	2.615 - 2.635	1.375	1.215	19.605	AS3611-8-96	5.990 - 6.010	4.750	4.590	37.435
AS3611-8-44	2.740 - 2.760	1.500	1.340	20.265					

TABLE 8 - PART NUMBER AND SHANK LENGTH DIMENSIONS FOR .5625 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
AS3611-9-13	.802 - .822	.172	.061	13.261	AS3611-9-46	2.865 - 2.885	1.500	1.329	26.673
AS3611-9-14	.865 - .885	.172	.061	13.679	AS3611-9-48	2.990 - 3.010	1.625	1.454	27.473
AS3611-9-15	.928 - .948	.172	.061	14.097	AS3611-9-50	3.115 - 3.135	1.750	1.579	28.309
AS3611-9-16	.990 - 1.010	.172	.061	14.515	AS3611-9-52	3.240 - 3.260	1.875	1.704	29.145
AS3611-9-17	1.052 - 1.072	.172	.061	14.933	AS3611-9-54	3.365 - 3.385	2.000	1.829	29.981
AS3611-9-18	1.115 - 1.135	.172	.061	15.351	AS3611-9-56	3.490 - 3.510	2.125	1.954	30.817
AS3611-9-19	1.178 - 1.198	.172	.061	15.769	AS3611-9-58	3.615 - 3.635	2.250	2.079	31.653
AS3611-9-20	1.240 - 1.260	.172	.061	16.187	AS3611-9-60	3.740 - 3.760	2.375	2.204	32.489
AS3611-9-21	1.302 - 1.322	.172	.061	16.605	AS3611-9-62	3.865 - 3.885	2.500	2.329	33.325
AS3611-9-22	1.365 - 1.385	.172	.061	17.023	AS3611-9-64	3.990 - 4.010	2.625	2.454	34.161
AS3611-9-23	1.428 - 1.448	.172	.061	17.441	AS3611-9-66	4.115 - 4.135	2.750	2.579	34.997
AS3611-9-24	1.490 - 1.510	.172	.061	17.859	AS3611-9-68	4.240 - 4.260	2.875	2.704	35.833
AS3611-9-25	1.552 - 1.572	.188	.061	18.277	AS3611-9-70	4.365 - 4.385	3.000	2.829	36.669
AS3611-9-26	1.615 - 1.635	.250	.079	18.695	AS3611-9-72	4.490 - 4.510	3.125	2.954	37.505
AS3611-9-27	1.678 - 1.698	.312	.142	19.113	AS3611-9-74	4.615 - 4.635	3.250	3.079	38.341
AS3611-9-28	1.740 - 1.760	.375	.204	19.531	AS3611-9-76	4.740 - 4.760	3.375	3.204	39.177
AS3611-9-29	1.802 - 1.822	.438	.266	19.949	AS3611-9-78	4.865 - 4.885	3.500	3.329	40.013
AS3611-9-30	1.865 - 1.885	.500	.329	20.367	AS3611-9-80	4.990 - 5.010	3.625	3.454	40.849
AS3611-9-31	1.928 - 1.948	.562	.392	20.785	AS3611-9-82	5.115 - 5.135	3.750	3.579	41.685
AS3611-9-32	1.990 - 2.010	.625	.454	21.203	AS3611-9-84	5.240 - 5.260	3.875	3.704	42.541
AS3611-9-34	2.115 - 2.135	.750	.579	21.621	AS3611-9-86	5.365 - 5.385	4.000	3.829	43.357
AS3611-9-36	2.240 - 2.260	.875	.704	22.457	AS3611-9-88	5.490 - 5.510	4.125	3.954	44.193
AS3611-9-38	2.365 - 2.385	1.000	.829	23.293	AS3611-9-90	5.615 - 5.635	4.250	4.079	45.029
AS3611-9-40	2.490 - 2.510	1.125	.954	24.129	AS3611-9-92	5.740 - 5.760	4.375	4.204	45.865
AS3611-9-42	2.615 - 2.635	1.250	1.079	24.965	AS3611-9-94	5.865 - 5.885	4.500	4.329	46.701
AS3611-9-44	2.740 - 2.760	1.375	1.204	25.801	AS3611-9-96	5.990 - 6.010	4.625	4.454	47.537

TABLE 9 - PART NUMBER AND SHANK LENGTH DIMENSIONS FOR .6250 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
AS3611-10-14	.865 - .885	.179	.068	18.156	AS3611-10-48	2.990 - 3.010	1.500	1.329	35.938
AS3611-10-15	.928 - .948	.179	.068	18.679	AS3611-10-50	3.115 - 3.135	1.625	1.454	36.984
AS3611-10-16	.990 - 1.010	.179	.068	19.202	AS3611-10-52	3.240 - 3.260	1.750	1.579	38.030
AS3611-10-17	1.052 - 1.072	.179	.068	19.725	AS3611-10-54	3.365 - 3.385	1.875	1.704	39.076
AS3611-10-18	1.115 - 1.135	.179	.068	20.248	AS3611-10-56	3.490 - 3.510	2.000	1.829	40.122
AS3611-10-19	1.178 - 1.198	.179	.068	20.771	AS3611-10-58	3.615 - 3.635	2.125	1.954	41.168
AS3611-10-20	1.240 - 1.260	.179	.068	21.294	AS3611-10-60	3.740 - 3.760	2.250	2.079	42.214
AS3611-10-21	1.302 - 1.322	.179	.068	21.817	AS3611-10-62	3.865 - 3.885	2.375	2.204	43.260
AS3611-10-22	1.365 - 1.385	.179	.068	22.340	AS3611-10-64	3.990 - 4.010	2.500	2.329	44.306
AS3611-10-23	1.428 - 1.448	.179	.068	22.863	AS3611-10-66	4.115 - 4.135	2.625	2.454	45.352
AS3611-10-24	1.490 - 1.510	.179	.068	23.386	AS3611-10-68	4.240 - 4.260	2.750	2.579	46.398
AS3611-10-25	1.552 - 1.572	.179	.068	23.909	AS3611-10-70	4.365 - 4.385	2.875	2.704	47.444
AS3611-10-26	1.615 - 1.635	.179	.068	24.432	AS3611-10-72	4.490 - 4.510	3.000	2.829	48.490
AS3611-10-27	1.678 - 1.698	.188	.068	24.955	AS3611-10-74	4.615 - 4.635	3.125	2.954	49.536
AS3611-10-28	1.740 - 1.760	.250	.079	25.478	AS3611-10-76	4.740 - 4.760	3.250	3.079	50.582
AS3611-10-29	1.802 - 1.822	.312	.141	26.001	AS3611-10-78	4.865 - 4.885	3.375	3.204	51.628
AS3611-10-30	1.865 - 1.885	.375	.204	26.524	AS3611-10-80	4.990 - 5.010	3.500	3.329	52.674
AS3611-10-31	1.928 - 1.948	.438	.267	27.047	AS3611-10-82	5.115 - 5.135	3.625	3.454	53.720
AS3611-10-32	1.990 - 2.010	.500	.329	27.570	AS3611-10-84	5.240 - 5.260	3.750	3.579	54.766
AS3611-10-34	2.115 - 2.135	.625	.454	28.616	AS3611-10-86	5.365 - 5.385	3.875	3.704	55.812
AS3611-10-36	2.240 - 2.260	.750	.579	29.662	AS3611-10-88	5.490 - 5.510	4.000	3.829	56.858
AS3611-10-38	2.365 - 2.385	.875	.704	30.708	AS3611-10-90	5.615 - 5.635	4.125	3.954	57.904
AS3611-10-40	2.490 - 2.510	1.000	.829	31.754	AS3611-10-92	5.740 - 5.760	4.250	4.079	59.950
AS3611-10-42	2.615 - 2.635	1.125	.954	32.800	AS3611-10-94	5.865 - 5.885	4.375	4.204	59.996
AS3611-10-44	2.740 - 2.760	1.250	1.079	33.846	AS3611-10-96	5.990 - 6.010	4.500	4.329	61.042
AS3611-10-46	2.865 - 2.885	1.375	1.204	34.892					