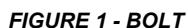


FIGURE REDRAWN TO AS1132 STANDARDS, SPECS UPDATED, USAGE NOTE ADDED, DIMENSIONS AJ, AK ADDED, TABLE 5 AND TABLE 10 RETYPED TO CORRECT ERRORS.



PROCUREMENT SPECIFICATION: AS7475

SAE WEB ADDRESS: <http://www.sae.org>

TABLE 1A - DASH NUMBERS AND DIMENSIONS B - 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 J - AB

DASH NO.	J	K	P	R	T MIN	U	V	AB
-3	.042-.052	.248-.268	.188	.015-.025	.122	.114-.154	.090-.110	.130-.160
-4	.060-.070	.293-.313	.219	.020-.030	.144	.150-.199	.140-.160	.184-.204
-5	.060-.080	.354-.374	.286	.026-.036	.166	.188-.247	.196-.216	.239-.259
-6	.060-.080	.405-.425	.335	.033-.043	.188	.225-.294	.250-.270	.301-.321
-7	.060-.080	.462-.482	.392	.039-.049	.210	.262-.340	.300-.320	.354-.374
-8	.060-.080	.510-.530	.440	.045-.055	.232	.300-.389	.360-.380	.416-.436
-9	.060-.080	.558-.578	.488	.051-.061	.254	.338-.340	.430-.450	.472-.492
-10	.060-.080	.635-.655	.525	.058-.068	.336	.375-.488	.490-.510	.534-.554
-12	.060-.080	.735-.755	.620	.070-.080	.371	.450-.576	.560-.580	.650-.670
-14	.090-.110	.875-.895	.715	.082-.092	.442	.525-.665	.640-.660	.764-.784
-16	.090-.110	.975-.995	.790	.095-.105	.512	.600-.756	.730-.750	.874-.894

TABLE 1C - DASH NUMBERS AND DIMENSIONS AC - AK

DASH NO.	AC	AD	AG	AH	AJ	AK
-3	.006	.003	.015	.060-.070	.015	.047
-4	.007	.003	.015	.080-.090	.018	.052
-5	.008	.003	.015	.090-.110	.022	.054
-6	.010	.0025	.020	.090-.110	.022	.055
-7	.010	.0025	.020	.090-.110	.027	.057
-8	.012	.002	.020	.090-.110	.027	.058
-9	.013	.002	.020	.090-.110	.030	.052
-10	.016	.002	.020	.090-.110	.030	.052
-12	.017	.002	.020	.090-.110	.030	.078
-14	.022	.002	.030	.120-.145	.035	.095
-16	.025	.002	.030	.120-.145	.040	.107



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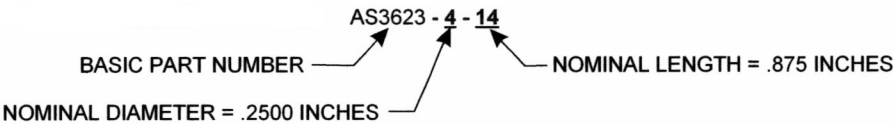
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NOTES:

1. 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**.
2. MATERIAL: COBALT-NICKEL ALLOY PER AMS 5842 (UNS R30159). (COMPOSITION SIMILAR TO UNS R30159)
3. PROCUREMENT SPECIFICATION: AS7475.
4. FLUORESCENT PENETRANT INSPECTION PER ASTM E1417/E1417M.
5. SURFACE TEXTURE: SYMBOLS PER ASME Y14.36M. REQUIREMENTS PER ASME B46.1. UNLESS OTHERWISE SPECIFIED, SURFACES TO BE 125 MICROINCHES Ra.
6. BREAK SHARP EDGES .003 TO .015, UNLESS OTHERWISE SPECIFIED.
7. DIMENSIONS ARE IN INCHES.
8. DIMENSIONING AND TOLERANCING PER ANSI Y14.5-1982 (ASME PUBLICATION).
9. DO NOT USE UNASSIGNED PART NUMBERS.
10. UNLESS OTHERWISE SPECIFIED, PART INVENTORY MANUFACTURED TO PREVIOUS REVISIONS OF THE APPLICABLE DRAWING OR SPECIFICATION MAY BE PROCURED AND USED UNTIL STOCK IS DEPLETED.
11. 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:



12. REVISION INDICATOR: A CHANGE BAR (I) LOCATED IN THE LEFT MARGIN IS FOR THE CONVENIENCE OF THE USER IN LOCATING AREAS WHERE TECHNICAL REVISIONS, NOT EDITORIAL CHANGES, HAVE BEEN MADE TO THE PREVIOUS ISSUE OF THIS DOCUMENT. AN (R) SYMBOL TO THE LEFT OF THE DOCUMENT TITLE INDICATES A COMPLETE REVISION OF THE DOCUMENT, INCLUDING TECHNICAL REVISIONS. CHANGE BARS AND (R) ARE NOT USED IN ORIGINAL PUBLICATIONS, NOR IN DOCUMENTS THAT CONTAIN EDITORIAL CHANGES ONLY.

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

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

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	AS3623-3-36	2.240 - 2.260	1.620	1.498	1.970
AS3623-3-14	.865 - .885	.245	.123	1.046	AS3623-3-38	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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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	4.354
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 - 3.385	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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