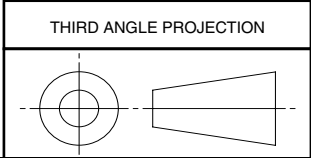
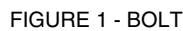


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REV. A			FEDERAL SUPPLY CLASS 5306	
	AS3613			
RATIONALE THIS STANDARD IS CANCELLED AS THE NEED FOR THE ITEM IS COVERED BY AS3611. FOR BOLTS WITH PD SHANKS USE AS3611 AND FOR BOLTS WITH CLOSE TOLERANCE SHANKS USE AS3658. CANCELLATION NOTICE THIS DOCUMENT HAS BEEN DECLARED "CANCELLED" AS OF OCTOBER 2007. BY THIS ACTION, THIS DOCUMENT WILL REMAIN LISTED IN THE NUMERICAL SECTION OF THE AEROSPACE STANDARDS INDEX.				
				ISSUED 2004-03 CANCELLED 2007-10
CUSTODIAN: SAE E-25		PROCUREMENT SPECIFICATION: NONE		
		AEROSPACE STANDARD BOLT, MACHINE - DOUBLE HEXAGON EXTENDED WASHER HEAD, CLOSE TOLERANCE SHANK. COBALT-NICKEL ALLOY, UNS R30159, 260 KSI MIN		AS3613
				REV. A

SAE reviews each technical report at least every five years at which time it may be reaffirmed, revised, or cancelled. SAE invites your written comments and suggestions.



SSUED 2004-03

Full document details: [SAE AS3613A](#)

TABLE 1A - DASH NUMBERS AND DIMENSIONS B - F

DASH NO.	NOMINAL THREAD D		B		C	E	F MIN
	DESIGNATION	MODIFIED MAJOR DIA.	AS870 DASH NO.	NOMINAL SIZE			
-3	.1900 - 32 UNJF - 3A MOD	.1840 - .1875	-08	.2500	.165 - .175	.365 - .385	.335
-4	.2500 - 28 UNJF - 3A MOD	.2435 - .2475	-10	.3125	.222 - .232	.455 - .475	.425
-5	.3125 - 24 UNJF - 3A MOD	.3053 - .3100	-12	.3750	.280 - .290	.570 - .590	.540
-6	.3750 - 24 UNJF - 3A MOD	.3678 - .3725	-14	.4375	.343 - .353	.686 - .706	.656
-7	.4375 - 20 UNJF - 3A MOD	.4294 - .4350	-16	.5000	.400 - .410	.802 - .822	.772
-8	.5000 - 20 UNJF - 3A MOD	.4919 - .4975	-18	.5625	.462 - .472	.917 - .937	.887
-9	.5625 - 18 UNJF - 3A MOD	.5538 - .5600	-20	.6250	.521 - .531	1.032 - 1.045	1.002
-10	.6250 - 18 UNJF - 3A MOD	.6163 - .6225	-22	.6875	.584 - .594	1.148 - 1.168	1.118
-12	.7500 - 16 UNJF - 3A MOD	.7406 - .7475	-26	.8125	.704 - .714	1.379 - 1.399	1.349
-14	.8750 - 14 UNJF - 3A MOD	.8647 - .8725	-30	.9375	.824 - .834	1.610 - 1.630	1.580
-16	1.0000 - 12 UNJF - 3A MOD	.9886 - .9975	-34	1.0625	.941 - .951	1.841 - 1.861	1.811

TABLE 1B - DASH NUMBERS AND DIMENSIONS G - V

DASH NO.	G	H MIN	K	R	T MIN	U	V
-3	.240 - .260	.020	.248 - .268	.015 - .025	.122	.114 - .134	.090 - .110
-4	.302 - .322	.026	.293 - .313	.020 - .030	.144	.150 - .170	.140 - .160
-5	.365 - .385	.035	.354 - .374	.026 - .036	.166	.188 - .208	.196 - .216
-6	.428 - .448	.044	.405 - .425	.033 - .043	.188	.225 - .245	.250 - .270
-7	.490 - .510	.053	.462 - .482	.039 - .049	.210	.262 - .282	.300 - .320
-8	.552 - .572	.062	.510 - .530	.045 - .055	.232	.300 - .320	.360 - .380
-9	.615 - .635	.071	.558 - .578	.051 - .061	.254	.338 - .358	.430 - .450
-10	.677 - .697	.080	.635 - .655	.058 - .068	.336	.375 - .395	.490 - .510
-12	.802 - .822	.098	.735 - .755	.070 - .080	.371	.450 - .470	.560 - .580
-14	.927 - .947	.116	.875 - .895	.082 - .092	.442	.525 - .545	.640 - .660
-16	1.052 - 1.072	.134	.975 - .995	.095 - .105	.512	.600 - .620	.730 - .750

TABLE 1C - DASH NUMBERS AND DIMENSIONS AB - AD

DASH NO.	AB	AC	AD
-3	.110 - .130	.006	.003
-4	.164 - .184	.007	.003
-5	.219 - .239	.008	.003
-6	.281 - .301	.010	.0025
-7	.334 - .354	.010	.0025
-8	.396 - .416	.012	.002
-9	.452 - .472	.013	.002
-10	.514 - .534	.016	.002
-12	.630 - .650	.017	.002
-14	.744 - .764	.022	.002
-16	.854 - .874	.025	.002

NOTES:

1. FOR PARTS WITH A MINIMUM GRIP 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).
3. PROCUREMENT SPECIFICATION: AS7475.
4. FLUORESCENT PENETRANT INSPECTION PER ASTM E 1417.
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 - .015, UNLESS OTHERWISE SPECIFIED.
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 MINIMUM GRIP IN SIXTEENTHS (.0625) OF AN INCH.

EXAMPLE OF COMPLETE PART NUMBER:

AS3613 - 4 - 14

BASIC PART NUMBER ———→

NOMINAL DIAMETER = .2500 INCHES ———→

MINIMUM GRIP = .875 INCHES ———→

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