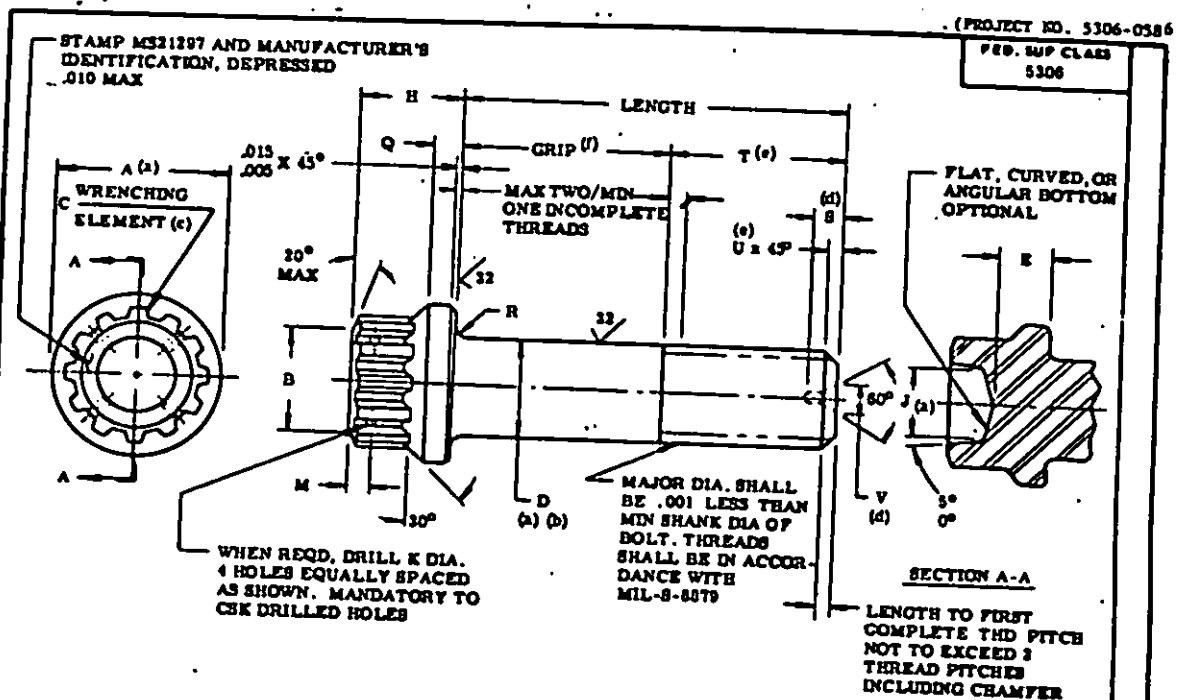


SIZE SYMBOLS:
ARMY - M1

REVISED SYMBOLS:
DIA - S
ARMY - AT

"Section/size information is correct as of the date of this document.
For future coordination of changes to this document, staff consultation
should be based on the information in the current document."

This military standard is mandatory for use by all Departments
a Department of the Department of Defense Selection for all new
engineering and design applications and for replacement use shall
be made from this document.



NOTES:

1. MATERIAL: ALLOY STEEL PER AMS 6487.
2. HARDNESS: ROCKWELL C46-50
3. SURFACE TEXTURE IN ACCORDANCE WITH ANSI (ASA) B46.1 - 1962.
4. PLATING: CADMIUM COATED (VACUUM DEPOSITED): MIL-C-8837, TYPE II, CLASS 2.
5. DIMENSIONS IN INCHES, UNLESS OTHERWISE SPECIFIED, TOLERANCES: DECIMALS $\pm .010$, ANGLES 13°
6. DIMENSIONS TO BE MET AFTER PLATING.
7. DESIGN AND USAGE INFORMATION: THESE BOLTS ARE DESIGNED TO BE USED WITH MS21084 NUTS AND MS21206 WASHERS.

FOR DESIGN FEATURE PURPOSES, THIS STANDARD TAKES PRECEDENCE OVER PROCUREMENT DOCUMENTS REFERENCED HEREIN.
REFERENCED DOCUMENTS SHALL BE OF THE ISSUE IN EFFECT ON DATE OF INVITATIONS FOR BID.

(A) REVISED	TITLE	MILITARY STANDARD
P. A. NAVY - AS	DOLT, TENSION, STEEL, 220 KSI F _u , 450°F.,	MS21297
Other Code USAF - 11 ARMY - AV	EXTERNAL WRENCHING, SPLINE DRIVE, FLANGED HEAD	SHEET 1 OF 6
PROCUREMENT SPECIFICATION MIL-B-8906	SUPERSEDES	

DD FORM 672-1 (Coordinated)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

PLATE NO. 15329

APPROVED 28 JAN 1972 REVISED (A) 6 OCT 1973

USER SYMBOLS:
ARMY - MI

REVIEWER SYMBOLS:
DSA - IS
ARMY - AT

"Below/seen information is current as of the date of this document.
For future coordination of changes to this document, draft circulation
should be based on the information in the current DD155."

This military standard is mandatory for use by all Departments
B. Agencies of the Department of Defense. Selection for all new
engineering and design applications and for replacement use shall
be made from this document.

FED. SUP CLASS
6306

DIA DASH NO.	NOMINAL SIZE	THREAD UNJF-3A	A - DIA (a)		B - DIA		C(c) WRENCHING ELEMENT	D - DIA (a) (b)		DASH NO.
			MAX	MIN	MAX	MIN		MAX	MIN	
03	NO. 10	.1900-32	.359	.349	.188	.173	8	.1895	.1885	03
04	1/4	.2500-28	.470	.460	.250	.235	10	.2495	.2485	04
05	5/16	.3125-24	.585	.575	.375	.360	12	.3120	.3110	05
06	3/8	.3750-24	.701	.691	.438	.423	14	.3745	.3735	06
07	7/16	.4375-20	.817	.807	.500	.485	16	.4370	.4360	07
08	1/2	.5000-20	.932	.922	.562	.547	20	.4995	.4985	08
09	9/16	.5625-18	1.047	1.037	.625	.610	22	.5615	.5605	09
10	5/8	.6250-16	1.163	1.153	.688	.673	24	.6240	.6230	10
12	3/4	.7500-16	1.394	1.384	.812	.797	28	.7490	.7480	12
14	7/8	.8750-14	1.625	1.615	.938	.923	32	.8740	.8730	14
16	1	1.0000-12	1.856	1.846	1.062	1.047	36	.9990	.9980	16
18	1 1/8	1.1250-12	2.087	2.077	1.250	1.235	42	1.1240	1.1225	18
20	1 1/4	1.2500-12	2.318	2.308	1.375	1.360	48	1.2490	1.2475	20
22	1 3/8	1.3750-12	2.549	2.539	1.500	1.485	52	1.3740	1.3725	22
24	1 1/2	1.5000-12	2.780	2.770	1.625	1.610	56	1.4990	1.4975	24

DASH NO.	E MIN	H .010	J (a) .010 .030	K .005	M	Q		R - RAD.		S MAX (d)	T MIN REF (e)	DASH NO.
						MAX	MIN	MAX	MIN			
03	.113	.205	.100	.037	.062	.037	.017	.022	.016		.408	03
04	.149	.250	.125			.046	.026	.028	.022		.495	04
05	.187	.312	.215			.055	.035	.035	.029		.589	05
06	.224	.337	.260			.064	.044	.043	.033		.659	06
07	.262	.393	.320	.055	.070	.073	.053	.049	.039		.763	07
08	.299	.450	.380			.082	.062	.055	.045		.838	08
09	.336	.505	.440			.091	.071	.061	.051		.935	09
10	.374	.562	.500			.100	.080	.068	.058		1.005	10
12	.449	.600	.570		.094	.118	.098	.080	.070	200	1.173	12
14	.523	.700	.650			.136	.116	.093	.083		1.348	14
16	.599	.800	.740			.154	.134	.105	.095	260	1.546	16
18	.674	.900	.840			.172	.152	.118	.108		1.698	18
20	.749	1.000	1.070		.125	.190	.170	.130	.120		1.836	20
22	.824	1.100	1.140			.208	.188	.143	.133	320	1.976	22
24	.899	1.200	1.200			.226	.206	.155	.145		2.116	24

APPROVED 28 JAN 1972 REVISED 1 FOR CHCS SEE SHT 1

P.A. NAVY - AS Other Cust USAF - 11 ARMY - AV	TITLE BOLT, TENSION, STEEL, 220 KSI Ftu, 450° F., EXTERNAL WRENCHING, SPLINE DRIVE, FLANGED HEAD	MILITARY STANDARD MS21297
PRELUMENENT SPECIFICATION MIL-B-8906	SUPERSEDES:	SHEET 2 OF 6

FED. SUP CLASS
5206USER SYMBOLS:
ARMY - MREVIEWER SYMBOLS:
DSA - S
ARMY - AT

*Revised/inter information is current as of the date of this document.
For future coordination of changes in this document, draft quantities
should be based on the information in the current 000195.

This military standard is mandatory for use by all Departments
& Agencies of the Department of Defense. Solicitation for all new
engineering and design applications use for completion use shall
be made from this document.

DASH NO.	U REF (e)	V MAX (d)	CENTER DRILL SIZE (d)	BEARING AREA (MEAN DIA) SQ. IN.	ULTIMATE TENSILE STRENGTH LB MIN	DOUBLE SHEAR STRENGTH LB MIN	CONCENTRICITY		DASH NO.
							X (a)	Z (b)	
03	.039			.0517	4,770	7,480	.004		03
04	.045			.0914	8,540	13,000	.005		04
05	.052			.1442	13,500	20,200	.006	.0045	05
06				.2106	20,900	29,100	.008		06
07	.063			.2896	28,300	39,700	.009		07
08				.3786	37,800	51,800	.010		08
09	.069			.4808	47,900	65,600	.011	.0060	09
10				.5945	59,900	81,000	.012		10
12	.078	.187	2	.7512	86,900	117,000	.015		12
14	.089			1.1673	119,000	159,000	.018		14
16		.250	3	1.5465	155,000	207,000	.020	.0090	16
18				1.9438	198,000	263,000	.022		18
20	.104			2.4020	247,000	324,000	.025		20
22		.312	4	2.9060	301,000	382,000	.028		22
24				3.4638	361,000	466,000	.030	.0130	24

- (a) DIMENSIONS A, D AND J SHALL BE CONCENTRIC TO EACH OTHER WITHIN VALUES SPECIFIED FOR X T.J.R.
 (b) DIMENSIONS D AND THREAD PITCH DIAMETER SHALL BE CONCENTRIC TO EACH OTHER WITHIN VALUES SPECIFIED PER Z T.J.R.
 (c) WRENCHING ELEMENT PER MS33787. DRIVERS PER MIL-W-8982.
 (d) ON BOLT SIZES .750 INCH AND LARGER, CENTER DRILLING OF SHANK IS OPTIONAL.
 (e) REFERENCE DIMENSIONS ARE FOR DESIGN PURPOSES ONLY AND ARE NOT INSPECTION OR MANUFACTURING REQUIREMENTS.
 (f) GRIP LENGTH OF BOLT SHALL BE MEASURED FROM UNDERSIDE OF HEAD TO THE END OF FULL CYLINDRICAL PORTION OF SHANK.

APPROVED 26 JAN 1972 REVISED A FOR CHCS SEE SHT 1

P.A. NAVY - AS	TITLE BOLT, TENSION, STEEL, 220 KSI FLX, 450° F., EXTERNAL WRENCHING, SPLINE DRIVE, FLANGED HEAD	MILITARY STANDARD
Other Code USAF - 11 ARMY - AV		MS21297
PROCUREMENT SPECIFICATION MIL-B 8906	SUPERSIDES	SHEET 3 OF 6

DD FORM 672-1 (Coordinated)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PLATE NO. 15329

USED SYMBOLS:

ARMY - MI

REVIEWER SYMBOLS:

ISA - IS

ARMY - AT

*Section/series information is current as of the date of this document.
For future consideration of changes to this document, draft circulation
should be based on the information in the current 000193.

This military standard is mandatory for use by all Departments
& Agencies of the Department of Defense. Selection for all new
engineering and design applications and for repetitive use shall
be made from this document.

		DIAMETER DASH NUMBERS																	
		03	04	05	06	07	08	09	10	12	14	16	18	20	22	24			
		LENGTH x.015																	
GRIP DASH NO.	GRIP x .010	.610	.698	.792	.892	.986	1.040	1.138	1.208	1.376	1.550	1.748	1.898	2.038	2.178	2.318			
003	.188	.610	.698	.792	.892	.986	1.040	1.138	1.208	1.376	1.550	1.748	1.898	2.038	2.178	2.318			
004	.250	.673	.760	.854	.924	1.028	1.103	1.200	1.270	1.438	1.613	1.811	1.961	2.101	2.241	2.381			
005	.312	.736	.822	.916	.986	1.090	1.166	1.262	1.332	1.500	1.676	1.874	2.024	2.164	2.304	2.444			
006	.375	.798	.885	.979	1.049	1.153	1.228	1.325	1.395	1.563	1.738	1.936	2.086	2.226	2.366	2.506			
007	.438	.860	.948	1.042	1.112	1.216	1.290	1.388	1.458	1.626	1.800	1.998	2.148	2.288	2.428	2.568			
008	.500	.923	1.010	1.104	1.174	1.278	1.353	1.450	1.520	1.688	1.863	2.061	2.211	2.351	2.491	2.631			
009	.562	.986	1.072	1.166	1.236	1.340	1.416	1.512	1.582	1.750	1.926	2.124	2.274	2.414	2.554	2.694			
010	.625	1.048	1.135	1.229	1.299	1.403	1.478	1.575	1.645	1.813	1.988	2.186	2.336	2.476	2.616	2.756			
011	.688	1.110	1.198	1.292	1.362	1.466	1.540	1.638	1.708	1.876	2.050	2.248	2.398	2.538	2.678	2.818			
012	.750	1.173	1.260	1.354	1.424	1.528	1.603	1.700	1.770	1.938	2.113	2.311	2.461	2.601	2.741	2.881			
013	.812	1.236	1.322	1.416	1.486	1.590	1.666	1.762	1.832	2.000	2.176	2.374	2.524	2.664	2.804	2.944			
014	.875	1.298	1.385	1.479	1.549	1.653	1.728	1.825	1.895	2.063	2.238	2.436	2.586	2.726	2.866	3.006			
015	.938	1.360	1.448	1.542	1.612	1.716	1.790	1.888	1.958	2.126	2.300	2.498	2.648	2.788	2.928	3.068			
016	1.000	1.423	1.510	1.604	1.674	1.778	1.853	1.950	2.020	2.188	2.363	2.561	2.711	2.851	2.991	3.131			
017	1.062	1.486	1.572	1.666	1.736	1.840	1.916	2.012	2.082	2.250	2.426	2.624	2.774	2.914	3.054	3.194			
018	1.125	1.548	1.635	1.729	1.799	1.903	1.978	2.075	2.145	2.313	2.488	2.686	2.836	2.976	3.116	3.256			
019	1.188	1.610	1.698	1.792	1.862	1.966	2.040	2.138	2.208	2.376	2.550	2.748	2.898	3.038	3.178	3.318			
020	1.250	1.673	1.760	1.854	1.924	2.028	2.103	2.200	2.270	2.438	2.613	2.811	2.961	3.101	3.241	3.381			
021	1.312	1.736	1.822	1.916	1.986	2.090	2.166	2.262	2.332	2.500	2.676	2.874	3.024	3.164	3.304	3.444			
022	1.375	1.798	1.885	1.979	2.049	2.153	2.228	2.325	2.395	2.563	2.738	2.936	3.086	3.226	3.366	3.506			
023	1.438	1.860	1.949	2.042	2.112	2.216	2.290	2.388	2.458	2.626	2.800	2.998	3.148	3.288	3.428	3.568			
024	1.500	1.923	2.010	2.104	2.174	2.278	2.353	2.450	2.520	2.688	2.863	3.061	3.211	3.351	3.491	3.631			
025	1.562	1.986	2.072	2.166	2.236	2.340	2.416	2.512	2.582	2.750	2.926	3.124	3.274	3.414	3.554	3.694			
026	1.625	2.048	2.135	2.229	2.299	2.403	2.478	2.575	2.645	2.813	2.988	3.186	3.336	3.476	3.616	3.756			
027	1.688	2.110	2.198	2.292	2.362	2.466	2.540	2.638	2.708	2.876	3.050	3.248	3.398	3.538	3.678	3.818			
028	1.750	2.173	2.260	2.354	2.424	2.528	2.603	2.700	2.770	2.938	3.113	3.311	3.461	3.601	3.741	3.881			
029	1.812	2.236	2.322	2.416	2.486	2.590	2.666	2.762	2.832	3.000	3.176	3.374	3.524	3.664	3.804	3.944			
030	1.875	2.298	2.385	2.479	2.549	2.653	2.728	2.825	2.895	3.063	3.238	3.436	3.586	3.726	3.866	4.006			
031	1.938	2.360	2.448	2.542	2.612	2.716	2.790	2.888	2.958	3.126	3.300	3.498	3.648	3.788	3.928	4.068			
032	2.000	2.423	2.510	2.604	2.674	2.778	2.853	2.950	3.020	3.188	3.363	3.561	3.711	3.851	3.991	4.131			
033	2.062	2.486	2.572	2.666	2.736	2.840	2.916	3.012	3.082	3.250	3.426	3.624	3.774	3.914	4.054	4.194			
034	2.125	2.548	2.635	2.729	2.799	2.903	2.978	3.075	3.145	3.313	3.488	3.686	3.836	3.976	4.116	4.256			

P.A. NAVY - AS		TITLE		MI	
Other Cast		BOLT, TENSION, STEEL, 220KSI Ftu, 450° F.,		MS	
USAF - 11		EXTERNAL WRENCHING.			
ARMY - AV		SPLINE DRIVE, FLANGED HEAD			
PROCUREMENT SPECIFICATION MIL-B - 8906		SUPERSEDES:		SHEET	

FED. SUP CLASS
5308

APPROVED 28 JAN 1972 REVISED (A) FOR CHCS SEE SHT 1

P.A. NAVY - AS

Other Cust:
USAF - 11
ARMY - AVPROCUREMENT SPECIFICATION
MIL-B-8906

TITLE

BOLT, TENSION, STEEL, 220KSI Ftu, 450° F.,
EXTERNAL WRENCHING,
SPLINE DRIVE, FLANGED HEAD

SUPERSEDES:

MILITARY STANDARD

MS21297

SHEET 4 OF 6

DD FORM 672-1 (Coordinated)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

PLATE NO. 15329

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 & Agencies of the Department of Defense. Selection for all new
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 For future consideration of changes to this document, users permission
 should be based on the information in the current 000109.

REVIEWER SYMBOLS: DSA - IS
 ARMY - AT
 USER SYMBOLS: ARMY - MI

		DIAMETER DASH NUMBERS																			
		LENGTH - 015																			
		03	04	05	06	07	08	09	10	12	14	16	18	20	22	24					
GRIP DASH NO.	GRIP .010																				
035	2.188	2.610	2.699	2.792	2.882	2.966	3.040	3.138	3.203	3.278	3.350	3.448	3.595	3.695	3.748	3.895	4.038	4.176	4.318		
036	2.250	2.673	2.760	2.854	2.924	3.028	3.103	3.200	3.270	3.348	3.413	3.511	3.661	3.761	3.811	3.961	4.101	4.241	4.381		
037	2.312	2.736	2.822	2.916	2.986	3.090	3.166	3.263	3.332	3.400	3.478	3.574	3.724	3.824	3.874	4.024	4.164	4.304	4.444		
038	2.375	2.799	2.885	2.979	3.049	3.153	3.228	3.325	3.395	3.463	3.538	3.636	3.786	3.886	3.936	4.086	4.226	4.366	4.506		
039	2.438	2.860	2.948	3.042	3.112	3.216	3.290	3.387	3.458	3.526	3.600	3.698	3.848	3.948	4.000	4.150	4.290	4.430	4.570		
040	2.500	2.923	3.010	3.104	3.174	3.278	3.353	3.450	3.520	3.588	3.663	3.761	3.911	4.011	4.061	4.211	4.351	4.491	4.631		
041	2.562	2.986	3.072	3.166	3.236	3.340	3.416	3.512	3.582	3.650	3.725	3.823	3.973	4.073	4.123	4.273	4.413	4.553	4.694		
042	2.625	3.040	3.125	3.220	3.290	3.403	3.478	3.575	3.645	3.713	3.788	3.886	4.036	4.136	4.186	4.336	4.476	4.616	4.756		
043	2.688	3.110	3.195	3.292	3.362	3.466	3.540	3.637	3.707	3.775	3.850	3.948	4.098	4.198	4.248	4.398	4.538	4.678	4.818		
044	2.750	3.173	3.260	3.354	3.424	3.528	3.603	3.700	3.770	3.838	3.913	4.011	4.161	4.261	4.311	4.461	4.601	4.741	4.881		
045	2.812	3.236	3.322	3.416	3.486	3.590	3.666	3.763	3.833	3.900	3.975	4.073	4.223	4.323	4.373	4.523	4.663	4.803	4.944		
046	2.875	3.299	3.385	3.479	3.549	3.653	3.728	3.825	3.895	3.963	4.038	4.136	4.286	4.386	4.436	4.586	4.726	4.866	5.006		
047	2.938	3.360	3.448	3.542	3.612	3.716	3.790	3.888	3.958	4.026	4.100	4.198	4.348	4.448	4.498	4.648	4.788	4.928	5.069		
048	3.000	3.423	3.510	3.604	3.674	3.778	3.853	3.950	4.020	4.088	4.163	4.261	4.411	4.511	4.561	4.711	4.851	4.991	5.131		
049	3.062	3.486	3.573	3.666	3.736	3.840	3.916	4.012	4.082	4.150	4.225	4.323	4.473	4.573	4.623	4.773	4.913	5.053	5.194		
050	3.125	3.548	3.635	3.729	3.799	3.903	3.978	4.075	4.145	4.213	4.288	4.386	4.536	4.636	4.686	4.836	4.976	5.116	5.256		
051	3.188	3.610	3.695	3.792	3.862	3.966	4.040	4.138	4.208	4.276	4.350	4.448	4.598	4.698	4.748	4.898	5.038	5.178	5.318		
052	3.250	3.673	3.760	3.854	3.924	4.028	4.103	4.200	4.270	4.338	4.413	4.511	4.661	4.761	4.811	4.961	5.101	5.241	5.381		
053	3.312	3.736	3.822	3.916	3.986	4.090	4.166	4.263	4.332	4.400	4.475	4.573	4.723	4.823	4.873	5.023	5.163	5.303	5.444		
054	3.375	3.799	3.885	3.979	4.049	4.153	4.228	4.325	4.395	4.463	4.538	4.636	4.786	4.886	4.936	5.086	5.226	5.366	5.506		
055	3.438	3.860	3.948	4.042	4.112	4.216	4.290	4.387	4.458	4.526	4.600	4.698	4.848	4.948	4.998	5.148	5.288	5.428	5.569		
056	3.500	3.923	4.010	4.104	4.174	4.278	4.353	4.450	4.520	4.588	4.663	4.761	4.911	5.011	5.061	5.211	5.351	5.491	5.631		
057	3.562	3.986	4.072	4.166	4.236	4.340	4.416	4.512	4.582	4.650	4.725	4.823	4.973	5.073	5.123	5.273	5.413	5.553	5.694		
058	3.625	4.048	4.135	4.229	4.299	4.403	4.478	4.575	4.645	4.713	4.788	4.886	5.036	5.136	5.186	5.336	5.476	5.616	5.756		
059	3.688	4.110	4.195	4.292	4.362	4.466	4.540	4.638	4.708	4.776	4.850	4.948	5.098	5.198	5.248	5.398	5.538	5.678	5.818		
060	3.750	4.173	4.260	4.354	4.424	4.528	4.603	4.700	4.770	4.838	4.913	5.011	5.161	5.261	5.311	5.461	5.601	5.741	5.881		
061	3.812	4.236	4.322	4.416	4.486	4.590	4.666	4.763	4.833	4.900	4.975	5.073	5.223	5.323	5.373	5.523	5.663	5.803	5.944		
062	3.875	4.299	4.385	4.479	4.549	4.653	4.728	4.825	4.895	4.963	5.038	5.136	5.286	5.386	5.436	5.586	5.726	5.866	6.006		
063	3.938	4.360	4.448	4.542	4.612	4.716	4.790	4.888	4.958	5.026	5.100	5.198	5.348	5.448	5.498	5.648	5.788	5.928	6.069		
064	4.000	4.423	4.510	4.604	4.674	4.778	4.853	4.950	5.020	5.088	5.163	5.261	5.411	5.511	5.561	5.711	5.851	5.991	6.131		
065	4.062	4.486	4.573	4.666	4.736	4.840	4.916	5.012	5.082	5.150	5.225	5.323	5.473	5.573	5.623	5.773	5.913	6.053	6.194		
066	4.125	4.548	4.635	4.729	4.799	4.903	4.978	5.075	5.145	5.213	5.288	5.386	5.536	5.636	5.686	5.836	5.976	6.116	6.256		
068	4.250	4.673	4.760	4.854	4.924	5.028	5.103	5.200	5.270	5.338	5.413	5.511	5.661	5.761	5.811	5.961	6.101	6.241	6.381		
P A NAVY - AS		DOLT, TENSION, STEEL, 320 KSI FL, 450° F., EXTERNAL WRENCHING, SPLINE DRIVE, FLANGED HEAD																		MIL	
Other Cus																				MS	
USAF - 11 ARMY - AV																					
PERFORMANCE SPECIFICATION MIL-B-8906		SUPERSEDES																		SHEET	

FED. SUP CLASS
5306

DD FORM 672-1 (Coordinated)

PROVIDED BY THE FORM AND ORIGINATOR

PLATE NO. 15220

APPROVED 28 JAN 1972 REVISED A FOR CHS2 SEE DRT 1

MILITARY STANDARD

MS21297

SHEET 5 OF 6

BOLT, TENSION, STEEL, 320 KSI F_u, 430° F.,
 EXTERNAL WRENCHING,
 SPLINE DRIVE, FLANGED HEAD

NAVY - AS
 USAF - 11
 ARMY - AV

PRELIMINARY SPECIFICATION
 MIL-B-8906

*Revision/inter information is current as of the date of this document.
For future coordination of changes to this document, draft circulation
should be based on the information in the current 000155.

This military standard is mandatory for use by all Departments
in Agencies of the Department of Defense. Selection for all new
engineering and design applications and for replacement use shall
be made from this document.

REVIEWER SYMBOLS:
DSA - IS
ARMY - AT

USED SYMBOLS:
ARMY - MT

GRIP DASH NO.	GRIP .010	DIAMETER DASH NUMBERS															
		03	04	05	06	07	08	LENGTH *.015									
		09	10	12	14	16	18	20	22	24							
070	4.375	4.798	4.885	4.979	5.049	5.153	5.228	5.325	5.395	5.563	5.738	5.936	6.086	6.226	6.366	6.506	
072	4.500	4.923	5.010	5.104	5.174	5.278	5.353	5.450	5.520	5.688	5.863	6.061	6.211	6.351	6.491	6.631	
074	4.625	5.048	5.135	5.229	5.299	5.403	5.478	5.575	5.645	5.813	5.988	6.186	6.336	6.476	6.616	6.756	
076	4.750	5.173	5.260	5.354	5.424	5.528	5.603	5.700	5.770	5.938	6.113	6.311	6.461	6.601	6.741	6.881	
078	4.875	5.298	5.385	5.479	5.549	5.653	5.728	5.825	5.895	6.063	6.238	6.456	6.586	6.726	6.866	7.006	
080	5.000	5.423	5.510	5.604	5.674	5.778	5.853	5.950	6.020	6.188	6.363	6.561	6.711	6.851	6.991	7.131	
082	5.125	5.548	5.635	5.729	5.799	5.903	5.978	6.075	6.145	6.313	6.488	6.686	6.836	6.976	7.116	7.256	
084	5.250	5.673	5.760	5.854	5.924	6.028	6.103	6.200	6.270	6.438	6.613	6.811	6.961	7.101	7.241	7.381	
086	5.375	5.798	5.885	5.979	6.049	6.153	6.228	6.325	6.395	6.563	6.738	6.936	7.086	7.226	7.366	7.506	
088	5.500	5.923	6.010	6.104	6.174	6.278	6.353	6.450	6.520	6.688	6.863	7.061	7.211	7.351	7.491	7.631	
090	5.625	6.048	6.135	6.229	6.299	6.403	6.478	6.575	6.645	6.813	6.988	7.186	7.336	7.476	7.616	7.756	
092	5.750	6.173	6.260	6.354	6.424	6.528	6.603	6.700	6.770	6.938	7.113	7.311	7.461	7.601	7.741	7.881	
094	5.875	6.298	6.385	6.479	6.549	6.653	6.728	6.825	6.895	7.063	7.238	7.436	7.586	7.726	7.866	8.006	
096	6.000	6.423	6.510	6.604	6.674	6.778	6.853	6.950	7.020	7.188	7.363	7.561	7.711	7.851	7.991	8.131	
098	6.125							7.075	7.145	7.313	7.488	7.686	7.836	7.976	8.116	8.256	
100	6.250							7.200	7.270	7.438	7.613	7.811	7.961	8.101	8.241	8.381	
102	6.375							7.325	7.395	7.563	7.738	7.936	8.086	8.226	8.366	8.506	
104	6.500							7.450	7.520	7.688	7.863	8.061	8.211	8.351	8.491	8.631	
106	6.625							7.575	7.645	7.813	7.988	8.186	8.336	8.476	8.616	8.756	
108	6.750							7.700	7.770	7.938	8.113	8.311	8.461	8.601	8.741	8.881	
110	6.875							7.825	7.895	8.063	8.238	8.436	8.586	8.726	8.866	9.006	
112	7.000							7.950	8.020	8.188	8.363	8.561	8.711	8.851	8.991	9.131	
P. A. NAVY - A3		TITLE															
Other Cust USAF - 11 ARMY - AV		BOLT, TENSION, STEEL, 220KSI EXTERNAL WRENCHING SPLINE DRIVE, FLANGE															
PROCUREMENT SPECIFICATION MIL-B-8906		SUPERSEDES:															

DIAMETER DASH NO. AT TOP OF TABLE, PLUS GRIP DASH NO. FIRST COLUMN ON LEFT OF TABLE CONSTITUTES A COMPLETE DASH.
IDENTIFYING SPECIFIED LENGTHS OF A GIVEN SIZE OF BOLT.
ADD LETTER 'H' BEFORE DASH NO. TO DESIGNATE DRILLED HEAD. FIRST TWO DASH NUMBERS DESIGNATE DIAMETER IN SIXTEENTHS.
LAST THREE DASH NUMBERS DESIGNATE GRIP LENGTH IN SIXTEENTHS.
UNASSIGNED DASH NOS. SHALL NOT BE USED.

EXAMPLES OF PART NUMBER:
MS21297-04016 - 1/4-28 BOLT, 1.510 LONG, 1.000 GRIP, UNDRILLED HEAD.
MS21297H04016 - 1/4-28 BOLT, 1.510 LONG, 1.000 GRIP, DRILLED HEAD.
MS21297-05020 - 5/16-24 BOLT, 1.854 LONG, 1.250 GRIP, UNDRILLED HEAD.
MS21297H05020 - 5/16-24 BOLT, 1.854 LONG, 1.250 GRIP, DRILLED HEAD.

FED. SUP CLASS
5306

APPROVED 28 JAN 1972 REVISED A FOR CHCS SEE SHT 1

DD FORM 672-1 (Coordinated)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

PLATE NO. 16329

MILITARY STANDARD

MS21297

SHEET 6 OF 6