

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 reapplication was shall be made from this document.

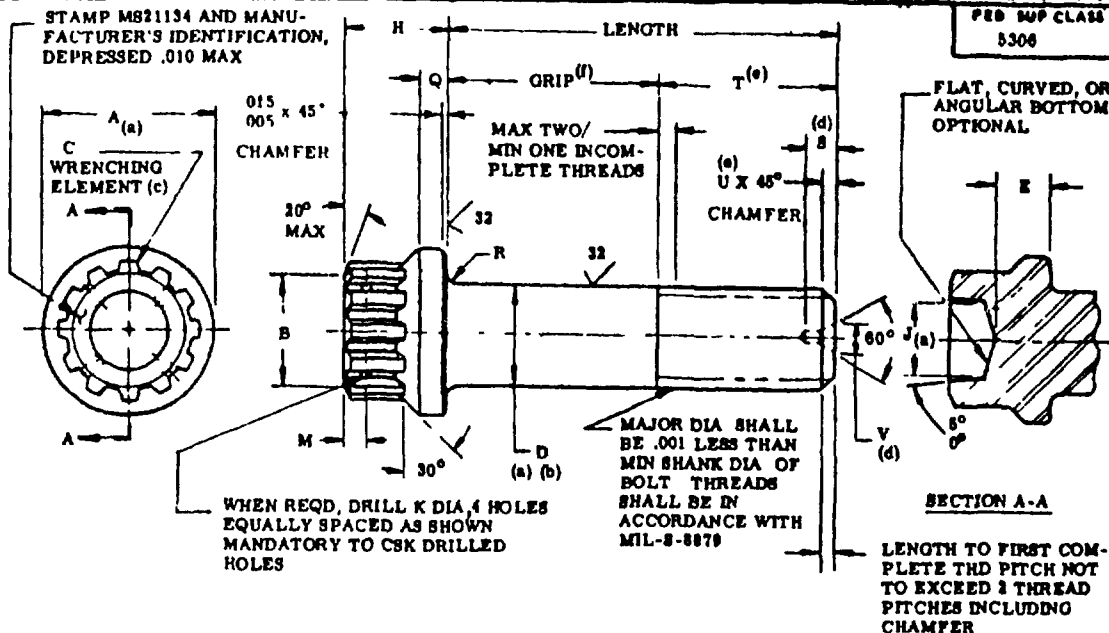
ARMY - MI

DATA - B

STAMP M821134 AND MANUFACTURER'S IDENTIFICATION, DEPRESSED .010 MAX

(PROJECT NO 6306-0454)

FED SUP CLASS
5306



NOTES

1. MATERIAL. ALLOY STEEL MIL-S-5626 (AISI 4140), MIL-S-5000 (AISI 4340)
MIL-S-6049 (AISI 8740), MIL-S-8503 (AISI 6150)
2. HARDNESS. ROCKWELL C39-43
3. SURFACE TEXTURE IN ACCORDANCE WITH ANSI (ASA) B46.1-1962.
4. PLATING. CADMIUM PER QQ-P-416, TYPE II, CLASS 3
5. DIMENSIONS IN INCHES UNLESS OTHERWISE SPECIFIED, TOLERANCES, DECIMALS + .010, ANGLES + 2°
6. DIMENSIONS TO BE MET AFTER PLATING.
7. DESIGN AND USAGE INFORMATION. THESE BOLTS ARE DESIGNED TO BE USED WITH MS21133 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.

P A NAVY - AS	TITLE	MILITARY STANDARD
Other Code USAF - 11 ARMY - AV	BOLT, TENSION, STEEL, 180 KSI Flu, 450°F., INTERNAL WRENCHING, SPLINE DRIVE, FLANGED	MS21134
PROUREMENT SPECIFICATION MIL-B-8831	SUPERSEDES	SHEET 1 OF 6

APPROVED 28 JAN 1972 REVISED

USER SYMBOLS:
ARMY-MIREVIEWER SYMBOLS:
DGA-S
ARMY-AT

*Section/spec information is carried on of the date of this document.
For future coordination of changes in this document, draft circulation
should be based on the information in the current 880132.

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be made from this document.

FED SUP CLASS 5308										
DIA DASH NO	NOMINAL SIZE	THRFAD UNJF-3A	A - DIA (a)		B - DIA		C (c) WRENCHING ELEMENT	D - DIA (a) (b)		DIA 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	6250-18	1 163	1 153	688	673	24	6240	6230	10
12	3/4	7500-18	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	1 260	1 235	42	1 1240	1 1235	18
20	1 1/4	1 2500-12	2 318	2 308	1 375	1 360	4C	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

DIA. DASH NO.	E MIN	H ±.010	J (a) ±.010 - .030	K ±.005	M	Q		R - RAD		S MAX (d)	T MIN REF (e)	DIA DASH NO
						MAX	MIN	MAX	MIN			
03	.113	.205	.100			.037	.017	.022	.016		.378	03
04	.149	.250	.125	.037	.068	.046	.026	.028	.023		.455	04
05	.187	.312	.215			.055	.035	.035	.029		.541	05
06	.224	.337	.260		.070	.064	.044	.043	.033		.604	06
07	.262	.393	.320			.073	.063	.049	.039		.701	07
08	.299	.450	.380			.082	.062	.055	.045		.783	08
09	.338	.505	.440			.091	.071	.061	.051		.847	09
10	.374	.562	.500	.055	.094	.100	.080	.068	.058		.910	10
12	.449	.600	.570			.118	.098	.080	.070		1 063	12
14	.523	.700	.650			.136	.116	.093	.083	.200	1 223	14
16	.599	.800	.740			.154	.134	.105	.095		1 398	16
18	.674	.900	.840		.125	.172	.152	.118	.108	.280	1 521	18
20	.749	1 000	1 070			.190	.170	.130	.120		1 646	20
22	.824	1 100	1 140		.188	.208	.188	.143	.133	.320	1 771	22
24	.899	1 200	1 200			.226	.206	.155	.145		1 896	24

PA NAVY - AS Other Cust USAF II ARMY-AV	TITLE BOLT, TENSION STEEL, 180 KSI Flw 450°F., EXTERNAL WRENCHING, SPIRINE DRIVE, FLANGED	MILITARY STANDARD MS21134
PRELIMINARY SPECIFICATION MIL-B-8831	SUPERSEDES	SHEET 2

APPROVED 26 JAN 1972 REVISED

USER SYMBOLS:
ARMY - MIREVISION SYMBOLS:
DEA - ME
ARMY - AT

*Supersession information is printed at the date of this document.
For future consideration of changes in this document, draft presentation
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military and design applications and for regulations and shall
be made from this document.

FED SUP CLASS
3306

DIA 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		DEA DASH NO.
							x (a)	z (b)	
03	.039			.0517	3,910	6,199	.004		03
04	.045			.0914	6,980	10,800	.005	.0048	04
05	.053			.1442	11,100	16,800	.004		05
06				.2106	17,100	23,800	.008		06
07				.2896	23,800	32,500	.009		07
08	.063			.3766	30,900	42,400	.010		08
09	.069			.4808	39,200	53,700	.011	.0088	09
10				.5945	49,100	66,900	.012		10
12	.078	.187	2	.7512	71,000	95,400	.015		12
14	.089			1.1572	97,000	128,800	.018		14
16		.260	3	1.5483	126,000	169,800	.020	.0080	16
18				1.9438	166,000	214,700	.021		18
20	.104			2.4020	202,000	265,100	.023		20
22		.312	4	2.8080	246,000	320,700	.023	.0180	22
24				3.4528	284,000	381,700	.030		24

NOTES

- DIMENSIONS A, D AND J SHALL BE CONCENTRIC TO EACH OTHER WITHIN VALUES SPECIFIED FOR X T.I.R.
- DIMENSIONS D AND THREAD PITCH DIAMETER SHALL BE CONCENTRIC TO EACH OTHER WITHIN VALUES SPECIFIED PER Z T, I. R.
- WRENCHING ELEMENT PER MS33787. DRIVERS PER MIL-W-8882.
- ON BOLTS SIZES .750 INCH AND LARGER, CENTER DRILLING OF SHANK IS OPTIONAL.
- REFERENCE DIMENSIONS ARE FOR DESIGN PURPOSES ONLY AND ARE NOT INSPECTION OR MANUFACTURING REQUIREMENTS.
- 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

P A NAVY - AB Other Code USAF - 11 ARMY - AV	TITLE BOLT TENSION STEEL, 100KSI FLU, 450°F., EXTERNAL WRENCHING, SPLINE DRIVE, FLANGED	MILITARY STANDARD	
		MS21134	
PROPOSED SPECIFICATION MIL-D-8831	SUPERSEDES	SHEET	3

DD FORM 672-1 (Coordinated)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PLATE NO. 16370

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*Section/layer information is current as of the date of this document. For future coordination of changes to this document, draft information should be based on the information in the current DD-135.

REVIEW SYMBOLS:
DSA - IS
ARMY - AT

USER SYMBOLS:
ARMY - MI

GRIP DASH NO.		GRIP + .010		DIAMETER DASH NUMBERS																FED WPL CLASS 5308	
				03	04	05	06	07	08	09	10	12	14	16	18	20	22	24			
				LENGTH + .015																	
003	188	580	658	744	806	904	966														
004	250	643	720	806	869	966	1 028														
005	312	706	782	868	932	1 028	1 090	1 174	1 238	1 390											
006	375	768	845	931	994	1 091	1 153	1 237	1 300	1 453											
007	438	830	908	994	1 056	1 154	1 216	1 300	1 362	1 516	1 676	1 848	1 974								
008	500	893	970	1 056	1 119	1 216	1 278	1 362	1 424	1 578	1 738	1 911	2 036								
009	562	956	1 032	1 118	1 182	1 278	1 340	1 424	1 486	1 640	1 800	1 974	2 098	2 224							
010	625	1 016	1 095	1 181	1 244	1 341	1 403	1 487	1 550	1 703	1 863	2 036	2 161	2 286	2 411	2 536					
011	688	1 080	1 158	1 244	1 296	1 404	1 466	1 550	1 612	1 766	1 926	2 098	2 224	2 348	2 474	2 598					
012	750	1 143	1 220	1 306	1 369	1 466	1 528	1 612	1 675	1 828	1 988	2 161	2 286	2 411	2 536	2 661					
013	812	1 206	1 282	1 368	1 432	1 528	1 590	1 674	1 738	1 890	2 050	2 224	2 348	2 474	2 598	2 724					
014	875	1 268	1 345	1 431	1 494	1 591	1 653	1 737	1 800	1 953	2 113	2 286	2 411	2 536	2 661	2 786					
015	938	1 330	1 408	1 494	1 546	1 654	1 716	1 800	1 862	2 016	2 176	2 348	2 474	2 598	2 724	2 848					
016	1 000	1 393	1 470	1 556	1 618	1 716	1 778	1 862	1 925	2 078	2 238	2 411	2 536	2 661	2 786	2 911					
017	1 062	1 456	1 532	1 618	1 682	1 778	1 840	1 924	1 988	2 140	2 300	2 474	2 598	2 724	2 848	2 974					
018	1 125	1 518	1 595	1 681	1 744	1 841	1 903	1 987	2 050	2 203	2 363	2 536	2 661	2 786	2 911	3 036					
019	1 188	1 580	1 656	1 744	1 796	1 904	1 966	2 050	2 112	2 266	2 426	2 598	2 724	2 848	2 974	3 098					
020	1 250	1 643	1 720	1 806	1 869	1 966	2 028	2 112	2 175	2 328	2 488	2 661	2 786	2 911	3 036	3 161					
021	1 312	1 706	1 782	1 868	1 932	2 028	2 090	2 174	2 238	2 390	2 550	2 724	2 848	2 974	3 098	3 224					
022	1 375	1 762	1 845	1 931	1 994	2 091	2 153	2 237	2 300	2 453	2 613	2 786	2 911	3 036	3 161	3 286					
023	1 438	1 830	1 908	1 994	2 046	2 154	2 216	2 300	2 362	2 516	2 676	2 848	2 974	3 098	3 224	3 348					
024	1 500	1 893	1 970	2 056	2 119	2 216	2 278	2 362	2 425	2 578	2 738	2 911	3 036	3 161	3 286	3 411					
025	1 562	1 956	2 032	2 118	2 182	2 278	2 340	2 424	2 488	2 640	2 800	2 974	3 098	3 224	3 348	3 474					
026	1 625	2 018	2 095	2 181	2 244	2 341	2 403	2 487	2 550	2 703	2 863	3 036	3 161	3 286	3 411	3 536					
027	1 688	2 080	2 158	2 244	2 296	2 404	2 466	2 550	2 612	2 766	2 926	3 098	3 224	3 348	3 474	3 598					
028	1 750	2 143	2 220	2 306	2 368	2 466	2 528	2 612	2 675	2 828	2 988	3 161	3 286	3 411	3 536	3 661					
029	1 812	2 206	2 282	2 368	2 432	2 528	2 590	2 674	2 738	2 890	3 050	3 224	3 348	3 474	3 598	3 724					
030	1 875	2 268	2 345	2 431	2 494	2 591	2 653	2 737	2 800	2 953	3 113	3 286	3 411	3 536	3 661	3 786					
031	1 938	2 330	2 408	2 494	2 546	2 654	2 716	2 800	2 862	3 016	3 176	3 348	3 474	3 598	3 724	3 848					
032	2 000	2 393	2 470	2 556	2 619	2 716	2 778	2 862	2 925	3 078	3 238	3 411	3 536	3 661	3 786	3 911					
033	2 062	2 456	2 532	2 618	2 682	2 778	2 840	2 924	2 988	3 140	3 300	3 474	3 598	3 724	3 848	3 974					
034	2 125	2 518	2 595	2 681	2 744	2 841	2 903	2 987	3 050	3 203	3 363	3 536	3 661	3 786	3 911	4 036					
035	2 188	2 580	2 658	2 744	2 796	2 904	2 966	3 050	3 112	3 266	3 426	3 598	3 724	3 848	3 974	4 098					
036	2 250	2 643	2 720	2 806	2 869	2 966	3 028	3 112	3 175	3 328	3 488	3 661	3 786	3 911	4 036	4 161					
P A NAVY - A8				TITLE																MILITARY STANDARD	
Other Cus				BOLT, TENSION, STEEL, 180 KSI Flu, 450°F.,																MS21134	
USAF - 11				EXTERNAL WRENCHING,																	
ARMY - AV				SPLINE DRIVE, FLANGED																	
PROCUREMENT SPECIFICATION MIL-B-8831				SUPERSEDES																SHEET 4	

DD FORM 672-1 (Coordinated)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PLATE 06, 15320

APPROVED 28 JAN 1972 REVISED

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REVIEWER SYMBOLS:
DSA - IS
ARMY - AT

USER SYMBOLS:
ARMY - MI

CRIP DASH NO.		CRIP / .010	DIAMETER DASH NUMBERS																22		24
			03	04	05	06	07	08	09	10	12	14	16	18	20	22	24				
			LENGTH ± .015																		
037	2.312	2.706	2.782	2.868	2.932	3.028	3.090	3.174	3.238	3.390	3.550	3.724	3.848	3.974	4.098	4.224	4.348				
038	2.375	2.768	2.845	2.931	2.994	3.091	3.153	3.237	3.300	3.453	3.613	3.786	3.911	4.036	4.161	4.286	4.411				
039	2.438	2.830	2.906	2.994	3.046	3.154	3.216	3.300	3.362	3.516	3.676	3.848	3.974	4.098	4.224	4.348	4.474				
040	2.500	2.893	2.970	3.056	3.119	3.216	3.278	3.362	3.425	3.578	3.738	3.911	4.036	4.161	4.286	4.411	4.536				
041	2.562	2.956	3.032	3.118	3.182	3.278	3.340	3.424	3.488	3.640	3.800	3.974	4.098	4.224	4.348	4.474	4.598				
042	2.625	3.018	3.095	3.181	3.244	3.341	3.403	3.487	3.550	3.703	3.863	4.036	4.161	4.286	4.411	4.536	4.661				
043	2.688	3.080	3.158	3.244	3.296	3.404	3.466	3.550	3.612	3.766	3.926	4.098	4.224	4.348	4.474	4.598	4.724				
044	2.750	3.143	3.220	3.306	3.369	3.466	3.528	3.612	3.675	3.828	3.988	4.161	4.286	4.411	4.536	4.661	4.786				
045	2.812	3.206	3.282	3.368	3.432	3.528	3.590	3.674	3.738	3.890	4.050	4.224	4.348	4.474	4.598	4.724	4.848				
046	2.875	3.268	3.345	3.431	3.494	3.591	3.653	3.737	3.800	3.953	4.113	4.286	4.411	4.536	4.661	4.786	4.911				
047	2.938	3.330	3.408	3.494	3.556	3.653	3.716	3.800	3.862	4.016	4.176	4.348	4.474	4.598	4.724	4.848	4.974				
048	3.000	3.393	3.470	3.556	3.619	3.716	3.778	3.862	3.925	4.078	4.238	4.411	4.536	4.661	4.786	4.911	5.036				
049	3.062	3.456	3.532	3.618	3.682	3.778	3.840	3.924	3.988	4.140	4.300	4.474	4.598	4.724	4.848	4.974	5.098				
050	3.125	3.518	3.595	3.681	3.744	3.841	3.903	3.987	4.050	4.203	4.363	4.536	4.661	4.786	4.911	5.036	5.161				
051	3.188	3.580	3.658	3.744	3.796	3.904	3.966	4.050	4.112	4.266	4.426	4.598	4.724	4.848	4.974	5.098	5.224				
052	3.250	3.643	3.720	3.806	3.869	3.966	4.028	4.112	4.175	4.328	4.488	4.661	4.786	4.911	5.036	5.161	5.286				
053	3.312	3.706	3.782	3.868	3.932	4.028	4.090	4.174	4.238	4.390	4.550	4.724	4.848	4.974	5.098	5.224	5.348				
054	3.375	3.768	3.845	3.931	3.994	4.091	4.153	4.237	4.300	4.453	4.613	4.786	4.911	5.036	5.161	5.286	5.411				
055	3.438	3.830	3.908	3.994	4.046	4.154	4.216	4.300	4.362	4.516	4.676	4.848	4.974	5.098	5.224	5.348	5.474				
056	3.500	3.893	3.970	4.056	4.119	4.216	4.278	4.362	4.425	4.578	4.738	4.911	5.036	5.161	5.286	5.411	5.536				
057	3.562	3.956	4.032	4.118	4.182	4.278	4.340	4.424	4.488	4.640	4.800	4.974	5.098	5.224	5.348	5.474	5.598				
058	3.625	4.018	4.095	4.181	4.244	4.341	4.403	4.487	4.550	4.703	4.863	5.036	5.161	5.286	5.411	5.536	5.661				
059	3.688	4.080	4.158	4.244	4.296	4.404	4.466	4.550	4.612	4.766	4.926	5.098	5.224	5.348	5.474	5.598	5.724				
060	3.750	4.143	4.220	4.306	4.369	4.466	4.528	4.612	4.675	4.828	4.988	5.161	5.286	5.411	5.536	5.661	5.786				
061	3.812	4.206	4.282	4.368	4.432	4.528	4.590	4.674	4.738	4.890	5.050	5.224	5.348	5.474	5.598	5.724	5.848				
062	3.875	4.268	4.345	4.431	4.494	4.591	4.653	4.737	4.800	4.953	5.113	5.286	5.411	5.536	5.661	5.786	5.911				
063	3.938	4.330	4.408	4.494	4.546	4.654	4.716	4.800	4.862	5.016	5.176	5.348	5.474	5.598	5.724	5.848	5.974				
064	4.000	4.393	4.470	4.556	4.619	4.716	4.778	4.862	4.925	5.078	5.238	5.411	5.536	5.661	5.786	5.911	6.036				
066	4.125	4.518	4.595	4.681	4.744	4.841	4.903	4.987	5.050	5.203	5.363	5.536	5.661	5.786	5.911	6.036	6.161				
068	4.250	4.643	4.720	4.806	4.869	4.966	5.028	5.112	5.175	5.328	5.488	5.661	5.786	5.911	6.036	6.161	6.286				
070	4.375	4.768	4.845	4.931	4.994	5.091	5.153	5.237	5.300	5.453	5.613	5.786	5.911	6.036	6.161	6.286	6.411				
072	4.500	4.893	4.970	5.056	5.119	5.216	5.278	5.362	5.425	5.578	5.738	5.911	6.036	6.161	6.286	6.411	6.536				
074	4.625	5.018	5.095	5.181	5.244	5.341	5.403	5.487	5.550	5.703	5.863	6.036	6.161	6.286	6.411	6.536	6.661				

P A NAVY - A8		TITLE		MILITARY STANDARD	
Other Cust UBAF - 11 ARMY - AV		BOLT, TENSION, STEEL, 180 KSI Fiu, 4150"t, EXTERNAL WRNCHING, SPIALNE DRIVE, FLANGED		MS21134	
PROCUREMENT SPECIFICATION MIL-D-8831		SUPERSEDES		REVISION	

FED SUP CLASS
5306

APPROVED 28 JAN 1972
REVISED

FED SUP CLASS
5306

DD FORM 672-1 (Coordinated)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PLATE NO. 13329

APPROVED 28 JAN 1972 REVISED

MILITARY STANDARD
MS21134

SHEET 1

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 ARMY - AT

USER SYMBOLS:
 ARMY - MI

CRIP DASH NO.		DIAMETER DASH NUMBERS															
		03	04	05	06	07	08	09	10	12	14	16	18	20	22	24	
LENGTH - 015																	
076	4.750	5.143	5.220	5.300	5.369	5.468	5.528	5.612	5.675	5.828	5.988	6.161	6.286	6.411	6.536	6.661	
078	4.875	5.268	5.345	5.431	5.494	5.591	5.653	5.737	5.800	5.953	6.113	6.286	6.411	6.536	6.661	6.786	
080	5.000	5.393	5.470	5.556	5.619	5.716	5.778	5.862	5.925	6.078	6.238	6.411	6.536	6.661	6.786	6.911	
082	5.125	5.518	5.595	5.681	5.744	5.841	5.903	5.987	6.050	6.203	6.363	6.536	6.661	6.786	6.911	7.036	
084	5.250	5.643	5.720	5.806	5.869	5.966	6.028	6.112	6.175	6.328	6.488	6.661	6.786	6.911	7.036	7.161	
086	5.375	5.768	5.845	5.931	5.994	6.091	6.153	6.237	6.300	6.453	6.613	6.786	6.911	7.036	7.161	7.286	
088	5.500	5.893	5.970	6.056	6.119	6.216	6.278	6.362	6.425	6.578	6.738	6.911	7.036	7.161	7.286	7.411	
090	5.625	6.018	6.095	6.181	6.244	6.341	6.403	6.487	6.550	6.703	6.863	7.036	7.161	7.286	7.411	7.536	
092	5.750	6.143	6.220	6.306	6.369	6.466	6.528	6.612	6.675	6.828	6.988	7.161	7.286	7.411	7.536	7.661	
094	5.875	6.268	6.345	6.431	6.494	6.591	6.653	6.737	6.800	6.953	7.113	7.286	7.411	7.536	7.661	7.786	
096	6.000	6.393	6.470	6.556	6.619	6.716	6.778	6.862	6.925	7.078	7.238	7.411	7.536	7.661	7.786	7.911	
098	6.125							6.987	7.050	7.203	7.363	7.536	7.661	7.786	7.911	8.036	
100	6.250							7.112	7.175	7.328	7.488	7.661	7.786	7.911	8.036	8.161	
102	6.375							7.237	7.300	7.453	7.613	7.786	7.911	8.036	8.161	8.286	
104	6.500							7.362	7.425	7.578	7.738	7.911	8.036	8.161	8.286	8.411	
106	6.625							7.487	7.550	7.703	7.863	8.036	8.161	8.286	8.411	8.536	
108	6.750							7.612	7.675	7.828	7.988	8.161	8.286	8.411	8.536	8.661	
110	6.875							7.737	7.800	7.953	8.113	8.286	8.411	8.536	8.661	8.786	
112	7.000							7.862	7.925	8.078	8.238	8.411	8.536	8.661	8.786	8.911	
114	7.125												8.661	8.786	8.911	9.036	
116	7.250												8.786	8.911	9.036	9.161	
118	7.375												8.911	9.036	9.161	9.286	
120	7.500												9.036	9.161	9.286	9.411	
122	7.625												9.161	9.286	9.411	9.536	
124	7.750												9.286	9.411	9.536	9.661	
126	7.875												9.411	9.536	9.661	9.786	
128	8.000												9.536	9.661	9.786	9.911	
P A NAVY - A3		TITLE															
Other Cast USAF - 11 ARMY - AV		BOLT, TENSION, RIFEL, 140 KSI Flt, 480° F, EXTERNAL WRENCHING, SPLINE DRIFT, FLANGED															
PRIVUREMENT SPECIFICATION MIL-B-8831		SUPERSEDES															

DIAMETER DASH NO. AT TOP OF TABLE, PLUS CRIP DASH NO. FIRST COLUMN ON LEFT OF TABLE CONSTITUTES A COMPLETE DASH NO.
 IDENTIFYING SPECIFIED LENGTHS OF A GIVEN SIZE BOLT.

ADD LETTER 'F' BEFORE DASH NO. TO DESIGNATE DRILLED HEAD.

LAST THREE DASH NUMBERS DESIGNATE CRIP LENGTH IN SIXTEENTHS.

UNASSIGNED DASH NUMBERS SHALL NOT BE USED

EXAMPLES OF PART NUMBER MS21134-04008 - 1 4 - 28 BOLT 978 LONG, 500 GRIP, UNDRILLED HEAD.
 MS21134H0-008 1 4 - 28 BOLT 970 LONG, 500 GRIP, DRILLED HEAD.
 MS21134-05012 5 16 - 24 BOLT 1,304 LONG, 750 GRIP, UNDRILLED HEAD.
 MS21134H05012 5 16 - 24 BOLT 1,304 LONG, 750 GRIP, DRILLED HEAD.

FED SUP CLASS
 3306

APPROVED 28 JAN 1972 REVISED

MILITARY STANDARD
MS21134

SHEET 6

DD FORM 672-1 (Coordinated)

STANDARDIZATION DOCUMENT IMPROVEMENT PROPOSAL		OMB Approval No. 22-R255	
<p>INSTRUCTIONS The purpose of this form is to solicit beneficial comments which will help achieve procurement of suitable products at reasonable cost and minimum delay, or will otherwise enhance use of the document. DoD contractors, government activities, or manufacturers/vendors who are prospective suppliers of the product are invited to submit comments to the government. Fold on lines on reverse side, staple in corner, and send to preparing activity. Comments submitted on this form do not constitute or imply authorization to waive any portion of the referenced document(s) or to amend contractual requirements. Attach any pertinent data which may be of use in improving this document. If there are additional papers, attach to form and place both in an envelope addressed to preparing activity.</p>			
DOCUMENT IDENTIFIER AND TITLE MS21134 BOLT, TENSION, STEEL, 180 KSI Ftu, 450°F., EXTERNAL WRENCHING, SPLINE DRIVE, FLANGED			
NAME OF ORGANIZATION AND ADDRESS		CONTRACT NUMBER	
		MATERIAL PROCURED UNDER A <input type="checkbox"/> DIRECT GOVERNMENT CONTRACT <input type="checkbox"/> SUBCONTRACT	
<p>1. HAS ANY PART OF THE DOCUMENT CREATED PROBLEMS OR REQUIRED INTERPRETATION IN PROCUREMENT USE?</p> <p>A GIVE PARAGRAPH NUMBER AND WORDING.</p> <p>B RECOMMENDATIONS FOR CORRECTING THE DEFICIENCIES</p>			
2. COMMENTS ON ANY DOCUMENT REQUIREMENT CONSIDERED TOO RIGID			
<p>3 IS THE DOCUMENT RESTRICTIVE?</p> <p><input type="checkbox"/> YES <input type="checkbox"/> NO (If "Yes", in what way?)</p>			
4. REMARKS			
SUBMITTED BY (Printed or typed name and address - Optional)		TELEPHONE NO	
		DATE	

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Philadelphia, PA 19112

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