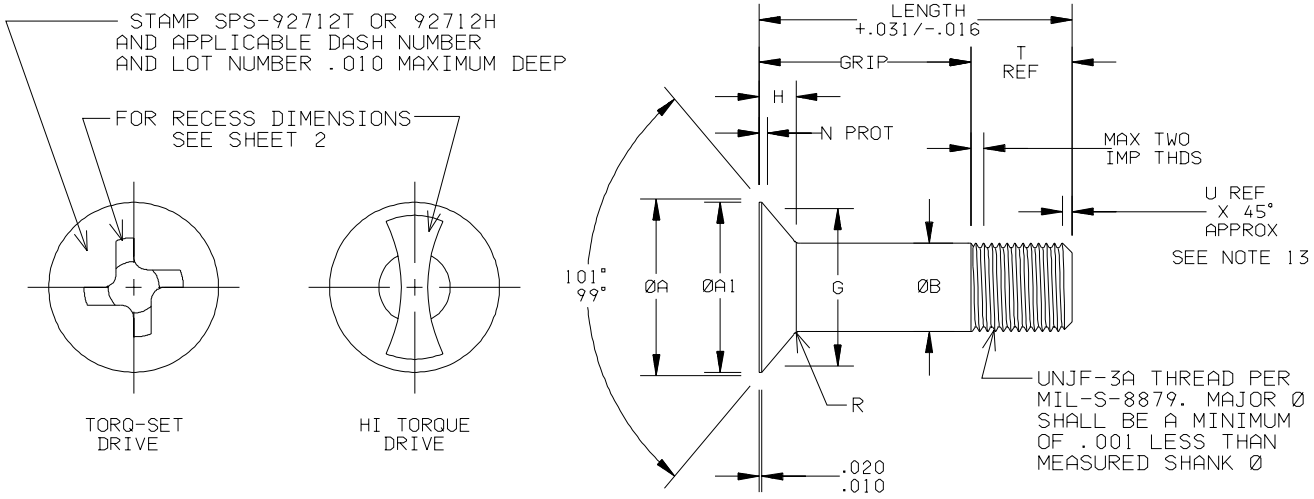


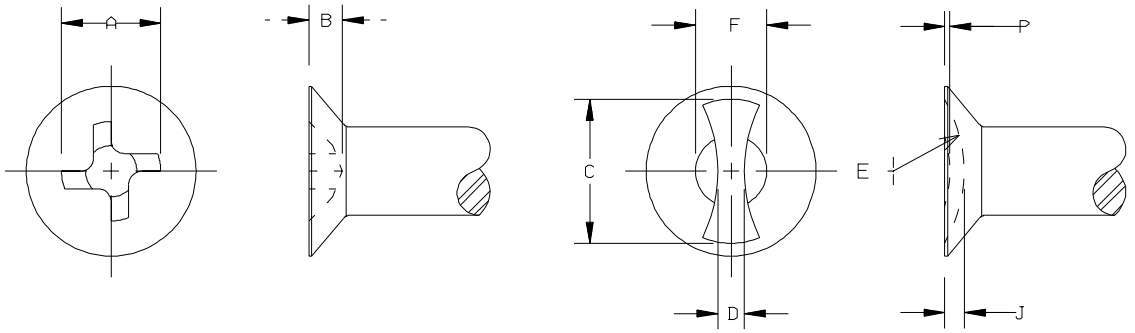
SPS BASIC PART NUMBER		THREAD UNJF-3A	ØA MAX 1/	ØA1 MIN 2/	ØB		H REF	G +.0002 -.0000	N		R	T REF	U REF
TORQ SET	HI TORQUE				MAX	MIN			MAX	MIN			
92712T-3	92712H-3	.1900-32	.385	.325	.1894	.1885	.080	.2830	.0420	.0380	.019	.236	.04
92712T-4	92712H-4	.2500-28	.507	.447	.2492	.2483	.106	.4318	.0310	.0264	.025	.293	.04
92712T-5	92712H-5	.3125-24	.635	.573	.3117	.3108	.133	.5449	.0371	.0321	.031	.359	.05
92712T-6	92712H-6	.3750-24	.762	.698	.3742	.3733	.160	.6580	.0429	.0373	.037	.419	.05
92712T-7	92712H-7	.4375-20	.890	.825	.4367	.4358	.188	.7782	.0461	.0401	.043	.495	.06
92712T-8	92712H-8	.5000-20	1.017	.950	.4991	.4982	.215	.8900	.0523	.0457	.050	.561	.06
92712T-9	92712H-9	.5625-18	1.145	1.076	.5616	.5607	.242	1.0026	.0587	.0517	.056	.642	.07
92712T-10	92712H-10	.6250-18	1.272	1.202	.6240	.6230	.270	1.1122	.0659	.0583	.062	.717	.07

1/ TO THEORETICAL SHARP CORNER 2/ ABSOLUTE MINIMUM WITH FLAT

1. MATERIAL: AERMET 100 ALLOY PER AMS 6532.
2. HEAT TREATMENT: 280 KSI ULTIMATE TENSILE STRENGTH. 160 KSI MINIMUM SHEAR.
3. FINISH: DIFFUSED NICKEL CADMIUM PLATING PER AMS 2416 WITH CHROMATE TREATMENT.
4. MAGNETIC PARTICLE INSPECT 100%. ACCEPTANCE STANDARDS OF SPS-B-168.
5. CONCENTRICITY: CONICAL SURFACE OF HEAD TO BODY WITHIN .003 T.I.R.; BODY TO PITCH DIAMETER WITHIN .0045 FOR .190 THRU AND INCLUDING .375; .006 FOR .437 THRU .625, WHEN HELD ON THE PITCH DIAMETER OF FULL THREADS CLOSEST TO BODY AND CHECKED AT A POINT ON THE BODY WITHIN ONE DIAMETER DISTANCE FROM THE THREAD END OF THE GRIP.
6. HEADS TO BE FORGED.
7. THREADS TO BE ROLLED AFTER HEAT TREATMENT.
8. HEAD TO SHANK FILLET MUST BE COLD WORKED.
9. PART NUMBER: 92712( ) - 6 - 8 = .375-24 BOLT, DIFFUSED NICKEL CADMIUM PLATE PER AMS 2416 WITH CHROMATE TREATMENT, .500 GRIP
   - = GRIP LENGTH IN SIXTEENTHS
   - = DIAMETER IN SIXTEENTHS
   - T = TORQ-SET DRIVE
   - H = HI TORQUE DRIVE
   - BASIC PART NUMBER

   LONGER LENGTHS THAN SHOWN IN THE TABLE MAY BE SPECIFIED BY THE USE OF WHOLE DASH NUMBERS ONLY.
10. REFERENCE DIMENSIONS ARE FOR DESIGN PURPOSES ONLY AND ARE NOT INSPECTION REQUIREMENTS.
11. DIMENSIONS ARE IN INCHES.
12. BREAK ALL SHARP EDGES.
13. CHAMFER "U" PLUS INCOMPLETE THREADS NOT TO EXCEED 2 PITCHES.

TOLERANCES ±.010 AND ±2° SURFACE ROUGHNESS 125√ UNLESS OTHERWISE NOTED	THIS PRODUCT DRAWING IS DRAFTED IN ACCORDANCE WITH ASME Y14.5M	SPS TECHNOLOGIES	FSCM NO. 56878 CUSTODIAN: JENKINTOWN, PA.	STANDARDS AND SPECIFICATIONS SPS-B-640 APPENDIX 10.2.2
DRAWN BY: KATHY SCHWARTZ	DATE: 6/03/98	TITLE: BOLT, SHEAR, FLUSH TYPE 160 KSI MINIMUM SHEAR STRENGTH AERMET 100 MATERIAL, APPLICATIONS TO 900°F		PART NUMBER: 92712( )-( )-( )
APPROVED: L KLINE	DATE: 6/4/98			
APPROVED: R HUKARI				SHEET 1 OF 2



TORQ-SET DRIVE

HI TORQUE DRIVE

PART NUMBER		A		B		C	D		E	F		J		P	MINIMUM TORQUE IN. LBS.
		MAX	MIN	MAX	MIN	REF	MAX	MIN	±.005	MAX	MIN	MAX	MIN		
92712T-3	92712H-3	.248	.238	.090	.080	.305	.064	.060	.281	.156	.146	.045	.042	.014	75
92712T-4	92712H-4	.325	.315	.118	.108	.422	.078	.074	.437	.206	.196	.054	.051	.015	185
92712T-5	92712H-5	.357	.347	.122	.112	.490	.084	.080	.500	.256	.246	.064	.061	.020	300
92712T-6	92712H-6	.427	.417	.145	.135	.639	.100	.096	.625	.306	.294	.088	.084	.022	570
92712T-7	92712H-7	.498	.488	.169	.159	.715	.118	.113	.687	.356	.344	.100	.097	.027	970
92712T-8	92712H-8	.568	.558	.193	.183	.766	.147	.143	.750	.406	.394	.105	.101	.031	1,500
92712T-9	92712H-9	.638	.628	.217	.207	.877	.168	.163	.875	.456	.444	.118	.114	.033	2,100
92712T-10	92712H-10	.708	.698	.241	.231	1.020	.188	.183	1.000	.511	.499	.141	.137	.036	2,800

DASH NUMBER	GRIP ±.010	LENGTH +.031 -.016 SFT930 AND SFH930 WITH APPLICABLE DASH NUMBER							
		-3 .190	-4 .250	-5 .312	-6 .375	-7 .437	-8 .500	-9 .562	-10 .625
3	.1875	.424							
4	.2500	.486	.543	.609					
5	.3125	.548	.606	.672	.732	.808			
6	.3750	.611	.668	.734	.794	.870	.936	1.017	1.092
7	.4375	.674	.730	.796	.856	.932	.998	1.080	1.154
8	.5000	.736	.793	.859	.919	.995	1.061	1.142	1.217
9	.5625	.798	.856	.922	.982	1.058	1.124	1.204	1.280
10	.6250	.861	.918	.984	1.044	1.120	1.186	1.267	1.342
11	.6875	.924	.980	1.046	1.106	1.182	1.248	1.330	1.404
12	.7500	.986	1.043	1.109	1.169	1.245	1.311	1.392	1.467
13	.8125	1.048	1.106	1.172	1.232	1.308	1.374	1.454	1.530
14	.8750	1.111	1.168	1.234	1.294	1.370	1.436	1.517	1.592
15	.9375	1.174	1.230	1.296	1.356	1.432	1.498	1.580	1.654
16	1.0000	1.236	1.293	1.359	1.419	1.495	1.561	1.642	1.717
17	1.0620	1.298	1.356	1.422	1.482	1.558	1.624	1.704	1.780
18	1.1250	1.361	1.418	1.484	1.544	1.620	1.686	1.767	1.842
19	1.1880	1.424	1.480	1.546	1.605	1.682	1.748	1.830	1.904
20	1.2500	1.486	1.543	1.609	1.669	1.745	1.811	1.892	1.967
21	1.3120	1.548	1.606	1.672	1.732	1.808	1.874	1.954	2.030
22	1.3750	1.611	1.668	1.734	1.794	1.870	1.936	2.017	2.092
23	1.4380	1.674	1.730	1.796	1.856	1.932	1.998	2.080	2.154
24	1.5000	1.736	1.793	1.859	1.919	1.995	2.061	2.142	2.217
25	1.5620	1.798	1.856	1.922	1.982	2.058	2.124	2.204	2.280
26	1.6250	1.861	1.918	1.984	2.044	2.120	2.186	2.267	2.342
27	1.6880	1.924	1.980	2.046	2.106	2.182	2.248	2.330	2.404
28	1.7500	1.986	2.043	2.109	2.169	2.245	2.311	2.392	2.467
29	1.8120	2.048	2.106	2.172	2.232	2.308	2.374	2.454	2.530
30	1.8750	2.111	2.168	2.234	2.294	2.370	2.436	2.517	2.592
31	1.9380	2.174	2.230	2.296	2.356	2.432	2.498	2.580	2.654
32	2.0000	2.236	2.293	2.359	2.419	2.495	2.561	2.642	2.717
33	2.0620	2.298	2.356	2.422	2.482	2.558	2.624	2.704	2.780
34	2.1250	2.361	2.418	2.484	2.544	2.620	2.686	2.767	2.842
35	2.1880	2.424	2.480	2.546	2.606	2.682	2.748	2.830	2.904
36	2.2500	2.486	2.543	2.609	2.669	2.745	2.811	2.892	2.967
37	2.3120	2.548	2.606	2.672	2.732	2.808	2.874	2.954	3.030
38	2.3750	2.611	2.668	2.734	2.794	2.870	2.936	3.017	3.092
39	2.4380	2.674	2.730	2.796	2.856	2.932	2.998	3.080	3.154
40	2.5000	2.736	2.793	2.859	2.919	2.995	3.061	3.142	3.217
41	2.5620	2.798	2.856	2.922	2.982	3.058	3.124	3.204	3.280
42	2.6250	2.861	2.918	2.984	3.044	3.120	3.186	3.267	3.342
43	2.6880	2.924	2.980	3.046	3.106	3.182	3.248	3.330	3.404
44	2.7500	2.986	3.043	3.109	3.169	3.245	3.311	3.392	3.467
45	2.8120	3.048	3.106	3.172	3.232	3.308	3.374	3.454	3.530
46	2.8750	3.111	3.168	3.234	3.294	3.370	3.436	3.517	3.592
47	2.9380	3.174	3.230	3.296	3.356	3.432	3.498	3.580	3.654
48	3.0000	3.236	3.293	3.359	3.419	3.495	3.561	3.642	3.717
49	3.0620	3.298	3.356	3.422	3.482	3.558	3.624	3.704	3.780
50	3.1250	3.361	3.418	3.484	3.544	3.620	3.686	3.767	3.842
51	3.1880	3.424	3.480	3.546	3.606	3.682	3.748	3.830	3.904