SPS TECHNOLOGIES

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DRAWING NUMBER **SPS-B-94706**

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1 3/23/98
2 1/28/99
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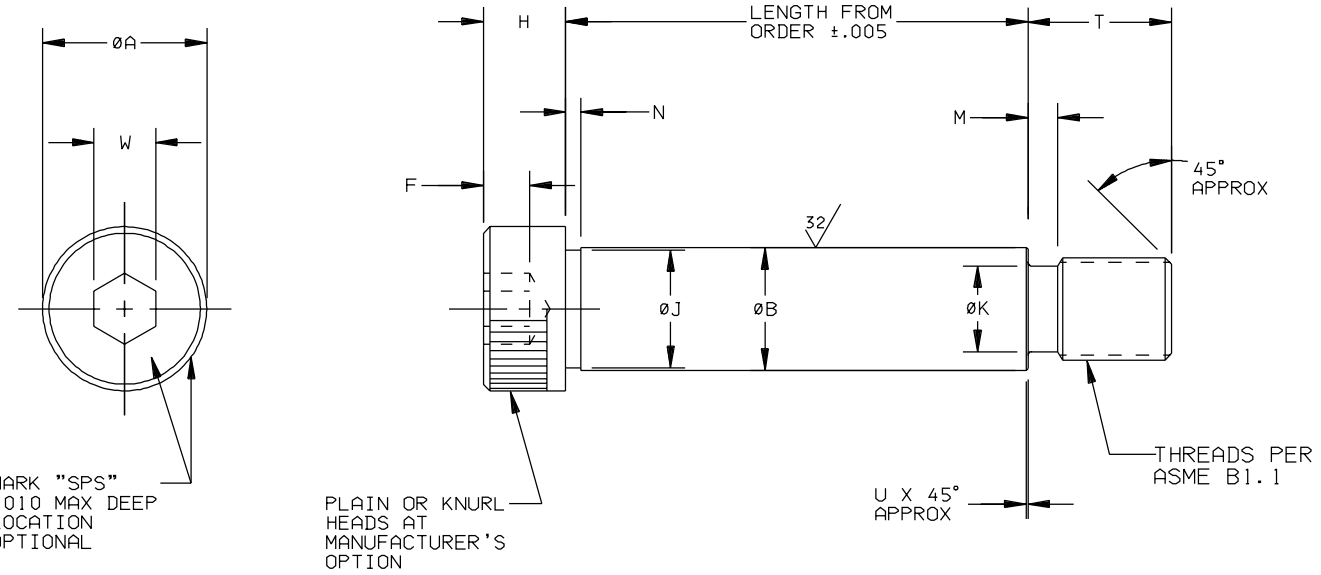

TABLE I

DASH NUMBER	NOMINAL SHLDRØ	THREAD SERIES		ØA	ØB	F MIN	H	ØJ MIN	ØK		N MAX	M MAX	T +.000 -.020	U MAX	W NOM
		UNRC-3A	UNRF-3A						UNRC	UNRF					
4	.250	.1900-24	.1900-32	.375 .357	.248 .247	.094	.188 .182	.227	.142 .133	.156 .147	.093	.083	.375	.005	.125
5	.312	.2500-20	.2500-28	.438 .419	.3105 .3095	.117	.219 .213	.289	.193 .182	.210 .201	.093	.100	.437	.005	.156
6	.375	.3125-18	.3125-24	.562 .543	.373 .372	.141	.250 .244	.352	.249 .237	.265 .256	.093	.111	.500	.005	.187
8	.500	.3750-16	.3750-24	.750 .729	.498 .497	.188	.313 .306	.477	.304 .291	.327 .318	.093	.125	.625	.008	.250
10	.625	.5000-13	.5000-20	.875 .853	.623 .622	.234	.375 .368	.602	.414 .397	.443 .432	.093	.154	.750	.008	.312
12	.750	.6250-11	.6250-18	1.000 .977	.748 .747	.281	.500 .492	.727	.521 .502	.561 .549	.093	.182	.875	.008	.375
14	.875	.7500-10	.7500-16	1.125 1.000	.873 .872	.375	.625 .616	.852	.638 .616	.678 .665	.093	.200	1.000	.008	.500
16	1.000	.7500-10	.7500-16	1.312 1.287	.998 .997	.375	.625 .616	.977	.638 .616	.678 .665	.125	.200	1.000	.008	.500
20	1.250	.8750-9	.8750-14	1.750 1.723	1.248 1.247	.469	.750 .741	1.227	.750 .726	.796 .778	.125	.222	1.125	.008	.625
24	1.500	1.1250-7	1.1250-12	2.125 2.095	1.498 1.496	.656	1.000 .980	1.478	.964 .934	1.022 1.014	.125	.286	1.500	.008	.875
28	1.750	1.2500-7	1.2500-12	2.375 2.345	1.748 1.746	.750	1.125 1.105	1.728	1.089 1.059	1.147 1.139	.125	.286	1.750	.008	1.000
32	2.000	1.5000-6	1.5000-12	2.750 2.720	1.998 1.996	.937	1.250 1.230	1.978	1.307 1.277	1.397 1.389	.125	.333	2.000	.008	1.250

TABLE II

DASH NUMBER	NOMINAL SHLDRØ	THREAD SERIES		TENSILE STRENGTH IN POUNDS		DOUBLE SHEAR STRENGTH OF BODY LBS., MIN.
		UNRC-3A	UNRF-3A	UNRC-3A	UNRF-3A	
4	.250	.1900-24	.1900-32	1,110	1,360	4,300
5	.312	.2500-20	.2500-28	2,080	2,540	6,800
6	.375	.3125-18	.3125-24	3,530	4,120	9,800
8	.500	.3750-16	.3750-24	5,320	6,350	17,500
10	.625	.5000-13	.5000-20	9,900	11,700	27,300
12	.750	.6250-11	.6250-18	15,800	18,900	39,400
14	.875	.7500-10	.7500-16	23,800	27,800	53,700
16	1.000	.7500-10	.7500-16	23,800	27,800	70,300
20	1.250	.8750-9	.8750-14	33,100	38,000	110,000
24	1.500	1.1250-7	1.1250-12	54,800	64,600	158,000
28	1.750	1.2500-7	1.2500-12	70,500	81,500	215,000
32	2.000	1.5000-6	1.5000-12	102,000	121,000	282,000

THE TENSILE STRENGTH IS BASED ON A STRESS OF 80 KSI MINIMUM AND THE AREA AT MINIMUM NECK "ØK".
THE SHEAR STRENGTH IS BASED ON A STRESS OF 45 KSI MINIMUM AND THE AREA AT MINIMUM SHOULDER "ØB".

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 NASM21472 EXCEPT AS NOTED
DRAWN BY: STEVE FOSTER	DATE: 6/07/97	TITLE: BOLT, SHOULDER, HEXAGON RECESS 45,000 PSI ULTIMATE SHEAR STRENGTH AUSTENITIC STAINLESS STEEL		PART NUMBER: 94706( )-( ) ( )-( )( )
APPROVED: S. BUZOLITS	DATE: 3/21/01			
APPROVED: L. KLINE				SHEET 1 OF 2

1. MATERIAL: AUSTENITIC STAINLESS STEEL PER CHEMISTRY OF ASTM A493.
2. FINISH: SEE NOTE 4.
3. DIMENSIONS, GEOMETRIC TOLERANCE PER ASME B18.3 - INCLUDING MANUFACTURING NOTES NOT LISTED IN THIS DRAWING.
4. PART NUMBERING: 94706 ( ) - ( ) ( ) - ( ) ( )

- FINISH = C-CADMIUM PLATE PER QQ-P-416, TYPE I, CLASS 3.
  D-CADMIUM PLATE PER QQ-P-416, TYPE II, CLASS 3.
  H-CADMIUM PLATE PER QQ-P-416, TYPE I, CLASS 2.
  J-CADMIUM PLATE PER QQ-P-416, TYPE II, CLASS 2. (YELLOW CHROMATE)
  M-CADMIUM PLATE PER QQ-P-416, TYPE II, CLASS 2 (OLIVE DRAB)
  S-SILVER PLATE PER AMS2410.
  U-ZINC PLATE PER ASTM B633 TYPE III SCI.
  Z-ZINC PLATE PER ASTM B633 TYPE II SCI.
  NO LETTER-PASSIVATE PER ASTM A967 OR EQUIVALENT
- = LENGTH IN SIXTEENTHS
- THREAD = C-COARSE
  F-FINE
- = DASH NUMBER (BASIC DIAMETER)
- LOCKING FEATURE = NO LETTER-NO LOCKING FEATURE
  E-TYPE P (PATCH) PER MIL-DTL-18240
  K-TYPE N (PELLET) PER MIL-DTL-18240
  TF-TRU-FLEX
- BASIC PART NUMBER