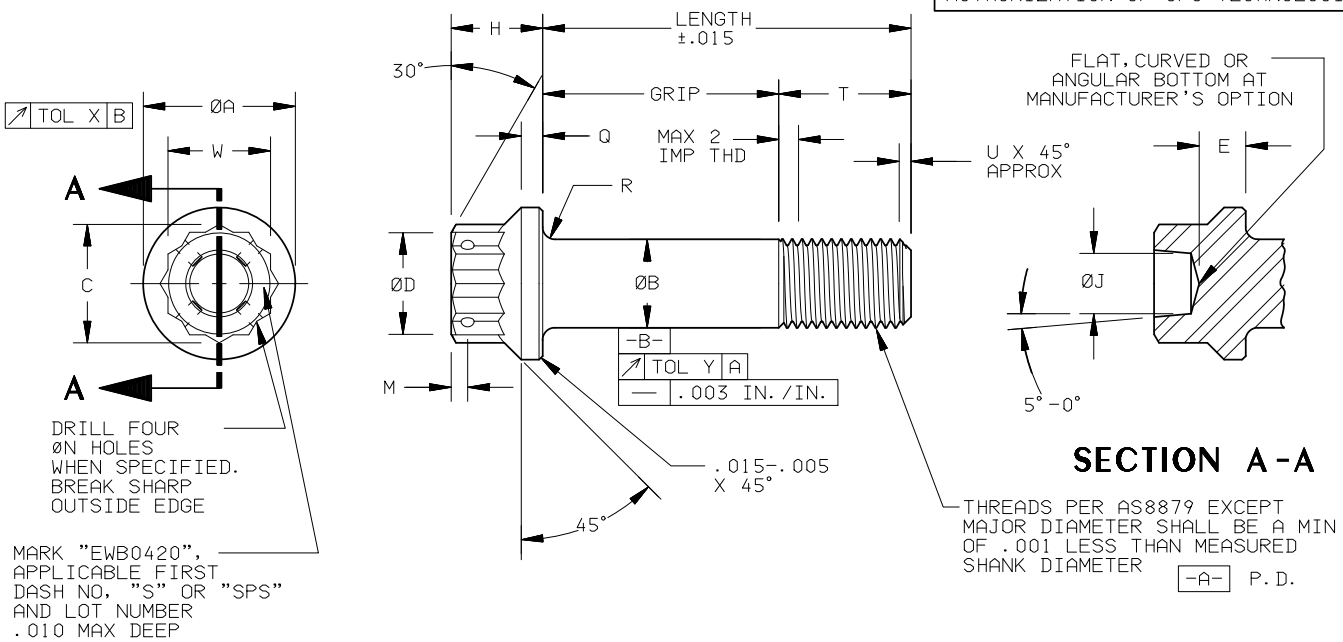
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SPS TECHNOLOGIES

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DRAWING NUMBER SPS-B-58952 | ISSUE DATE 10/10/59 | REVISION (14) 11/14/06 (15) 3/04/11



SECTION A-A

SPS BASIC PART NUMBER AND FIRST DASH NUMBER	THREAD SIZE UNJF-3A *UNJC-3A	ØA ±.005	ØB	C REF	ØD	E MIN	H	ØJ +.010 -.030	M	ØN ±.005	Q	R	T REF	U REF	W	X TIR	Y TIR
EWB 0420-08	.164-32*	.315	.1635 .1625	.285	.250 .235	.076	.230	.125	.062	.037	.062	.025 .015	.395	.040	.251 .243	.004	.0035
EWB 0420-3	.190-32	.345	.1895 .1885	.285	.250 .235	.092	.275	.125	.062	.037	.064	.041 .031	.408	.040	.251 .243	.005	.0045
EWB 0420-4	.250-28	.433	.2495 .2485	.360	.312 .297	.135	.300	.180	.062	.037	.069	.041 .031	.487	.040	.315 .306	.005	.0045
EWB 0420-5	.312-24	.526	.3120 .3110	.431	.375 .360	.162	.348	.215	.070	.055	.082	.041 .031	.587	.050	.377 .368	.006	.0045
EWB 0420-6	.375-24	.644	.3745 .3735	.502	.437 .422	.197	.388	.260	.070	.055	.091	.057 .047	.657	.050	.439 .430	.008	.0045
EWB 0420-7	.437-20	.745	.4370 .4360	.576	.500 .485	.228	.435	.320	.070	.055	.099	.057 .047	.758	.060	.503 .494	.009	.0060
EWB 0420-8	.500-20	.823	.4995 .4985	.648	.562 .547	.254	.504	.380	.094	.055	.123	.057 .047	.838	.060	.565 .556	.010	.0060
EWB 0420-9	.562-18	.933	.5615 .5605	.720	.625 .610	.287	.557	.440	.094	.055	.133	.057 .047	.941	.070	.628 .619	.011	.0060
EWB 0420-10	.625-18	1.045	.6240 .6230	.794	.687 .672	.327	.618	.500	.094	.055	.150	.073 .063	1.001	.070	.691 .682	.012	.0060
EWB 0420-12	.750-16	1.225	.7490 .7480	.939	.812 .797	.380	.711	.570	.094	.055	.178	.073 .063	1.191	.080	.817 .808	.015	.0060

1. MATERIAL: A286 PER AMS 5726.
2. HEAT TREATMENT: 200,000 PSI MINIMUM ULTIMATE TENSILE STRENGTH.
3. FINISH: CADMIUM PLATE PER AMS-QQ-P-416, TYPE I, CLASS 3 OR TYPE II, CLASS 3 OR PASSIVATE PER AMS 2700 OR SILVER PLATE PER AMS 2410 OR ALUMINUM COATING PER NAS4006 EXCEPT HEAT RESISTANCE TEST FOR LOT ACCEPTANCE DOES NOT APPLY.
4. FLUORESCENT PENETRANT INSPECT PER ASTM E 1417.
5. REFERENCE DIMENSIONS ARE FOR DESIGN PURPOSES ONLY AND ARE NOT AN INSPECTION REQUIREMENT.
6. PART NUMBER: EWB 0420 S - 6 H - 8 X = BOLT, SILVER PLATE, .3750-24 UNJF-3A THD, DRILLED HEAD, .500 GRIP LENGTH.

- NO LETTER = STANDARD SHANK
- X = .0156 OVERSIZE SHANK
- Y = .0312 OVERSIZE SHANK
- DESIGNATES GRIP LENGTH IN 1/16 INCREMENTS
- "H" DESIGNATES DRILLED HEAD OPTION
- NO LETTER DESIGNATES UNDRILLED HEAD
- DESIGNATES NOMINAL DIAMETER IN 1/16 INCREMENTS (EXCEPT -08)
- "A" DESIGNATES ALUMINUM COATING PER NAS4006.
- "S" DESIGNATES SILVER PLATE PER AMS 2410.
- "C" DESIGNATES CADMIUM PLATE PER AMS-QQ-P-416, TYPE I, CLASS 3.
- "D" DESIGNATES CADMIUM PLATE PER AMS-QQ-P-416, TYPE II, CLASS 3.
- NO LETTER DESIGNATES PLAIN FINISH
- BASIC PART NUMBER

7. CHAMFER "U" X 45° APPROX: CHAMFER PLUS INCOMPLETE THREADS NOT TO EXCEED TWO PITCHES.
8. FOR APPROXIMATE WEIGHTS REFER TO SPS SD.300.58952.
9. DIMENSIONS ARE IN INCHES.
10. FOR OVERSIZE SHANK (X & Y CODES) MAXIMUM 3 IMPERFECT THREADS ALLOWED.

TOLERANCES ±.010 AND ±2° SURFACE ROUGHNESS 125√ UNLESS OTHERWISE NOTED	FSCM NO. 56878 CUSTODIAN: JENKINTOWN, PA.	**TITLE** BOLT, DOUBLE HEXAGON, FLANGE, A286 MATERIAL 200,000 PSI MINIMUM ULTIMATE TENSILE STRENGTH FOR CRYOGENIC APPLICATIONS	STANDARDS AND SPECIFICATIONS SPS-B-640 APPENDIX 4.5
DRAFTED IN ACCORDANCE WITH ANSI Y14.5M-1982			**PART NUMBER:** **EWB 0420**
DRAWN BY: STEVE FOSTER	DATE: 10/10/98		SHEET 1 OF 1
APPROVED: M LAWLER APPROVED: R HUKARI	DATE: 3/4/11		