



MARK SPS EWSB22 AND APPLICABLE FIRST DASH NUMBER AND LOT NUMBER .010 MAX DEEP

SPS PART NUMBER	THREAD	ØB	C MIN	ØD ±.016	H	M ±.016	P ±.005	R	T REF	U REF	W	X	Z
EWSB22-3	.1900-32	.1894/.1885	.419	.375	.140	*	*	.019	.236	.04	.376/.367	.005	.0045
EWSB22-4	.2500-28	.2492/.2483	.491	.438	.164	*	*	.025	.293	.04	.439/.430	.005	.0045
EWSB22-5	.3125-24	.3117/.3108	.561	.500	.187	.232	.076	.031	.351	.05	.502/.492	.006	.0045
EWSB22-6	.3750-24	.3742/.3733	.631	.562	.210	.267	.106	.037	.400	.05	.564/.553	.008	.0045
EWSB22-7	.4375-20	.4367/.4358	.775	.687	.257	.341	.106	.043	.466	.06	.689/.678	.009	.0060
EWSB22-8	.5000-20	.4991/.4982	.846	.750	.281	.376	.106	.050	.516	.06	.752/.741	.010	.0060
EWSB22-9	.5625-18	.5616/.5607	.987	.875	.328	.471	.141	.056	.590	.07	.877/.865	.011	.0060
EWSB22-10	.6250-18	.6240/.6230	1.059	.938	.350	.513	.141	.062	.632	.07	.940/.928	.012	.0060
EWSB22-12	.7500-16	.7490/.7480	1.200	1.047	.400	.724	.141	.075	.852	.08	1.064/1.052	.015	.0060
EWSB22-14	.8750-14	.8740/.8730	1.414	1.234	.468	.858	.141	.088	.992	.09	1.252/1.239	.018	.0090
EWSB22-16	1.0000-12	.9990/.9980	1.628	1.422	.539	1.007	.141	.100	1.146	.10	1.440/1.427	.020	.0090
EWSB22-18	1.1250-12	1.1240/1.1225	1.842	1.609	.609	1.092	.141	.112	1.262	.10	1.627/1.614	.022	.0090
EWSB22-20	1.2500-12	1.2490/1.2475	2.056	1.797	.690	1.205	.141	.125	1.375	.10	1.814/1.801	.025	.0090
EWSB22-22	1.3750-12	1.3740/1.3725	2.269	1.984	.750	1.330	.141	.138	1.564	.10	2.002/1.988	.028	.0120
EWSB22-24	1.5000-12	1.4990/1.4975	2.434	2.173	.820	1.454	.141	.150	1.628	.10	2.190/2.176	.030	.0120

\* DUE TO SPACE LIMITATIONS, COTTER PIN HOLE IS NOT RECOMMENDED ON .190 AND .250 DIAMETERS

- MATERIAL: ALLOY STEEL PER AMS 6487.
- HEAT TREATMENT: 220 KSI MINIMUM ULTIMATE TENSILE STRENGTH. 132 KSI MINIMUM SHEAR STRENGTH. HRC 46-50.
- FINISH: CADMIUM FLUOBORATE PLATING PER NAS 672 (.0003 - .0005 THICK).
- WHEN HELD IN A "V" BLOCK EQUAL TO OR LONGER THAN THE GRIP LENGTH.
- WHEN HELD ON P.D. OF FULL THREADS CLOSEST TO THE BODY AND CHECKED AT A POINT ON THE BODY WITHIN ONE DIAMETER DISTANCE FROM THE THREAD END OF THE GRIP.
- PART NUMBER: EWSB22 - 16 - A 16 = 1.000 X 2.146 LONG EXTERNAL WRENCHING BOLT, 1.000 GRIP, WITHOUT CROSSDRILLED SHANK, .0003 - .0005 THICK PLATING  
 = GRIP LENGTH IN SIXTEENTHS  
 = PART WITHOUT CROSSDRILLED SHANK  
 = DIAMETER IN SIXTEENTHS  
 = BASIC PART NUMBER
- REFERENCE DIMENSIONS ARE FOR DESIGN PURPOSES ONLY AND ARE NOT INSPECTION REQUIREMENTS.
- CHAMFER PLUS INCOMPLETE THREADS ARE NOT TO EXCEED TWO PITCHES.
- DIMENSIONS ARE IN INCHES.
- FOR WEIGHTS SEE SD.301.52532.
- REQUIREMENTS OF SPECIFICATION SPS-B-640 APPENDIX 5.9.2, FATIGUE STRENGTH, NOT APPLICABLE ON CROSSDRILLED PARTS.

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TOLERANCES ±.010 AND ±2' SURFACE ROUGHNESS 125/ UNLESS OTHERWISE NOTED		FSCM NO. 56878 CUSTODIAN: JENKINTOWN, PA.	STANDARDS AND SPECIFICATIONS SPS-B-640 APPENDIX 5.9.2
DRAWN: STEVE FOSTER DATE: 8/06/91 APPROVED: L. KLINGE DATE: 6/9/94 APPROVED: R. WAELTZ		TITLE BOLT, SHEAR, PROTRUDING TYPE 132 KSI MINIMUM SHEAR STRENGTH ALLOY STEEL PER AMS 6487, APPLICATIONS TO 450°F	PART NUMBER: <b>EWSB 22</b> SHEET 1 OF 1