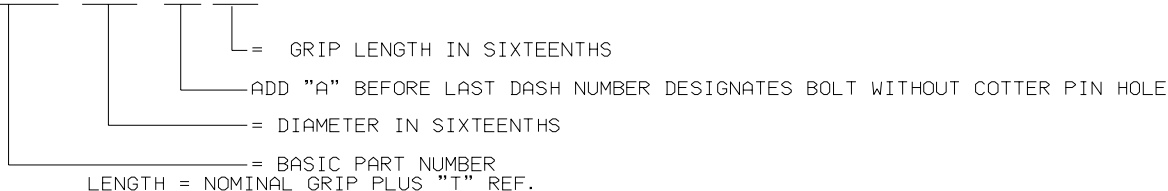


SPS PART NUMBER	THREAD	ØB	C MIN	±.016	H	M ±.016	ØP ±.005	R	T REF	U REF	W	X	Z
79294-3	.1900-32	.2026/.2016	.419	.375	.140	*	*	.019	.236	.04	.376/.367	.005	.0045
79294-4	.2500-28	.2651/.2641	.491	.438	.164	*	*	.025	.293	.04	.439/.430	.005	.0045
79294-5	.3125-24	.3276/.3266	.561	.500	.187	.240	.076	.031	.359	.05	.502/.492	.006	.0045
79294-6	.3750-24	.3901/.3891	.631	.562	.210	.286	.106	.037	.419	.05	.564/.553	.008	.0045
79294-7	.4375-20	.4526/.4516	.775	.687	.257	.370	.106	.043	.495	.06	.689/.678	.009	.0060
79294-8	.5000-20	.5151/.5141	.846	.750	.281	.421	.106	.050	.561	.06	.752/.741	.010	.0060
79294-9	.5625-18	.5771/.5761	.987	.875	.328	.523	.141	.056	.642	.07	.877/.865	.011	.0060
79294-10	.6250-18	.6396/.6386	1.059	.938	.350	.598	.141	.062	.717	.07	.940/.928	.012	.0060
79294-12	.7500-16	.7646/.7636	1.200	1.047	.400	.931	.141	.075	1.059	.08	1.064/1.052	.015	.0060
79294-14	.8750-14	.8896/.8886	1.414	1.234	.468	1.136	.141	.088	1.270	.09	1.252/1.239	.018	.0090
79294-16	1.0000-12	1.0146/1.0136	1.628	1.422	.539	1.357	.141	.100	1.496	.10	1.440/1.427	.020	.0090

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

1. MATERIAL: ALLOY STEEL PER AMS 6487 OR AMS 6485 AT MANUFACTURER'S OPTION.
2. HEAT TREATMENT: 260 KSI MINIMUM ULTIMATE STRENGTH. 156 KSI MINIMUM SHEAR STRENGTH. 51-54 HRC.
3. FINISH: DIFFUSED NICKEL CADMIUM PLATING PER AMS 2416 WITH CHROMATE TREATMENT.
4. WHEN HELD IN A "V" BLOCK EQUAL TO OR LONGER THAN THE GRIP LENGTH.
5. 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.

6. PART NUMBER: 79294 - () - A ()



EXAMPLE: 79295-6 A 8 = .3750-24 BOLT, NO COTTER PIN IN THREAD HOLE, .500 GRIP, DIFFUSED NICKEL-CADMIUM PLATING WITH CHROMATE TREATMENT.

7. REFERENCE DIMENSIONS ARE FOR DESIGN PURPOSES AND ARE NOT AN INSPECTION REQUIREMENT.
8. CHAMFER PLUS INCOMPLETE THREADS NOT TO EXCEED TWO PITCHES.
9. DIMENSIONS ARE IN INCHES.
10. FOR STANDARD SIZE PATS SEE SPS-B-52911. FOR .0312 OVERSIZE PARTS SEE SD.300.79295.
11. REQUIREMENTS OF SPECIFICATION SPS-B-640 APPENDIX 6.10.2 - FATIGUE STRENGTH, NOT APPLICABLE ON CROSSDRILLED PARTS.

INFORMATION ON THIS DOCUMENT IS A TRADE SECRET, PROPRIETARY, AND SHALL NOT BE USED OR REPRODUCED IN WHOLE OR IN PART WITHOUT WRITTEN AUTHORIZATION OF SPS TECHNOLOGIES.

TOLERANCES ±.010 AND ±2' SURFACE ROUGHNESS 125/ UNLESS OTHERWISE NOTED		FSCM NO. 56878 CUSTODIAN: JENKINTOWN, PA.	STANDARDS AND SPECIFICATIONS SPS-B-640 APPENDIX 6.10.2
DRAWN: KATHY SCHWARTZ DATE: 05/19/97 APPROVED: L. KLINE DATE: 7/2/97 APPROVED: RON HUKARI		TITLE BOLT, SHEAR, PROTRUDING HEAD, DOUBLE HEXAGON 156 KSI MINIMUM SHEAR STRENGTH ALLOY STEEL, APPLICATIONS TO 900°F .0156 OVERSIZE	PART NUMBER: 79294-()-() SHEET 1 OF 1 PROJECT 64A66