



ROSAN PART NUMBER	AND STANDARD	LOCKRING		A NUT END THREAD UNF-3A	B STUD END THREAD 5			C 4	D MIN FULL THD	E ±.015	F ±.015	G ±.015	H DIA
		ROSAN PART NUMBER 9 REF	MILITARY PART NUMBER 9 REF		SIZE	PITCH DIA	MINOR DIA						
SFA101-9SA12A	20005	RLRR24SB7	MS51990-105P	.2500-28	.3125-18	.2778-.2795	.2373-.2474	.750-.780	.656	.390	.560	.160	.076
SFA111-11SA14A	20009	RLRR28SB8	MS51990-106P	.3125-24	.3750-16	.3358-.3378	.2906-.3017	.880-.910	.688	.510	.690	.160	.076
SFA111-11SA16A	20010	RLRR28SB8	MS51990-106P	.3125-24	.3750-16	.3358-.3378	.2906-.3017	1.000-1.030	.719	.510	.690	.160	.076
SFA121-12SA16.5A	20002 20004 20007	RLRR33SB9	MS51990-107P	.3750-24	.4375-14	.3926-.3946	.3411-.3534	1.020-1.040	.812	.520	.750	.170	.106
SFA121-12SA18A	20006 20007	RLRR33SB9	MS51990-107P	.3750-24	.4375-14	.3926-.3946	.3411-.3534	1.125-1.155	.812	.520	.750	.170	.106
SFA131-13SA18A	20004	RLRR38SB9	MS51990-108P	.4375-20	.5000-13	.4512-.4537	.3963-.4093	1.135-1.145	.812	.570	.810	.170	.106
SFB101-9SA14A	20000	RLRR24SB7	MS51990-105P	.2500-28	.3125-18	.2778-.2795	.2373-.2474	.875-.905	.688	.390	.560	.160	.076
SFB111-11SA14.5A	20001 20003	RLRR28SB8	MS51990-106P	.3125-24	.3750-16	.3358-.3378	.2906-.3017	.906-.936	.688	.510	.690	.160	.076

NOTES:

- [1] MATERIAL: 4130 Steel per MIL-S-6758. These parts are also available in other materials. Refer to page 34, Table I.
2. HEAT TREAT: 125,000 PSI UTS min.
3. FINISH: Cadmium plate per QQ-P-416, Type II, Class 3.
- [4] Nut end lengths "C" are designed to meet AND standards after stud serrated collar is installed .010-.020 below the surface of the parent material.
- [5] The stud end thread has a special pitch diameter and minor diameter which installs into a MIL-S-8879 class 3B, FED-STD-H28/2 class 3B, or National class 3 tapped hole. Refer to page 69.
6. Studs are installed per page 36 or in accordance with MS51995.
7. SFA and SFB studs are only furnished to dimensions shown. Coding of modifications is not permissible.
- [8] 2 max incomplete threads.
- [9] Mating locking is not included with stud. It must be ordered separately.

**STUD - RING LOCKED,
FOR AND20000 SERIES PADS,
FINE THREAD NUT END AND COARSE THREAD STUD END**

**SFA() & SFB()
SERIES**