



ROSAN INSERT PART NUMBER	LOCKRING		A INTERNAL THREAD CLASS-3B	B EXTERNAL THREAD [4]			C ±.015	D ±.015
	ROSAN PART NUMBER REF	MILITARY PART NUMBER [7][8] REF		SIZE	PITCH DIA	MINOR DIA		
	RJ902SB4	RLRR16SB5		MS51990-102P	.1120-40UNJC	.1900-32		
RJ903SB5	RLRR18SB6	MS51990-103P	.1380-32UNJC	.2160-28	.1931-.1946	.1674-.1740	.310	.190
RJ904SB6	RLRR21SB6	MS51990-104P	.1640-32UNJC	.2500-28	.2271-.2286	.2014-.2080	.380	.250
RJ905SB7	RLRR24SB7	MS51990-105P	.1900-24UNJC	.3125-24	.2858-.2873	.2559-.2632	.440	.290
RJ906SB8	RLRR28SB8	MS51990-106P	.2500-20UNJC	.3750-24	.3479-.3498	.3185-.3257	.500	.330
RJ907SB9	RLRR31SB9	—	.3125-18UNJC	.4375-20	.4053-.4073	.3700-.3784	.560	.380
RJ908SB10	RLRR38SB9	MS51990-108P	.3750-16UNJC	.5000-20	.4678-.4698	.4325-.4409	.620	.420
RJ909SB11	RLRR47SB10	MS51990-109P	.4375-14UNJC	.6250-18	.5894-.5914	.5498-.5593	.690	.460
RJ910SB12	RLRR56SB11	MS51990-110P	.5000-13UNJC	.7500-16	.7097-.7122	.6656-.6761	.750	.490
RJ911SB14	RLRR64SB11	MS51990-111P	.5625-12UNJC	.8750-14	.8291-.8316	.7786-.7904	.880	.620
RJ912SB16	RLRR72SB11	MS51990-112P	.6250-11UNJC	1.0000-14	.9541-.9566	.9036-.9154	1.000	.740
RJ913SB18	RLRR82SB12	MS51990-113P	.7500-10UNJC	1.1250-12	1.0716-1.0741	1.0128-1.0260	1.120	.800
RJ914SB20	RLRR90SB12	MS51990-114P	.8750-9UNJC	1.2500-12	1.1966-1.1991	1.1378-1.1510	1.250	.900
RJ915SB22	RLRR100SB12	MS51990-115P	1.0000-8UNJC	1.3750-12	1.3216-1.3241	1.2628-1.2760	1.380	1.02

NOTES: UNLESS OTHERWISE SPECIFIED

- [1] MATERIAL: 1117 steel per ASTM A108. NOTE: These parts are available in other materials. Refer to page 27.
- 2. HEAT TREAT: None.
- 3. FINISH: Cadmium plate per QQ-P-416, TY II, CL3.
- [4] The external thread has a special pitch diameter and minor diameter which installs into a MIL-S-8879 class 3B, MIL-S-7742 class 3B, or National class 3 tapped hole. Refer to page 55.
- 5. Inserts are installed and removed per page 28.
- 6. Insert lengths shown are based on installation in 2024-T4 Aluminum and in such materials will accommodate tension loads up to the strength of a mating bolt heat treated to 145,000 PSI UTS. If this design criteria is required in parent materials of lower mechanical properties, longer insert lengths should be specified. Mating bolts should have a thread engagement of 1.5 diameters or if insert has a thread lock, the bolt should extend through the insert 2 pitches including chamfer.
- [7] Mating lockring is not included with insert. It must be ordered separately.
- [8] For other MS51990 lockrings, see page 44.

**INSERT - RING LOCKED
COARSE INTERNAL AND FINE EXTERNAL THREADS**

**RJ900()
SERIES**