

# Live Lock Structural Panel Fasteners

Provide high-strength, quick operation and exceptionally high cycle for use on high performance aircraft, on electronic, and on avionic applications. There are many more types and styles available which are not featured in this catalog. Contact the Technical Sales Group.

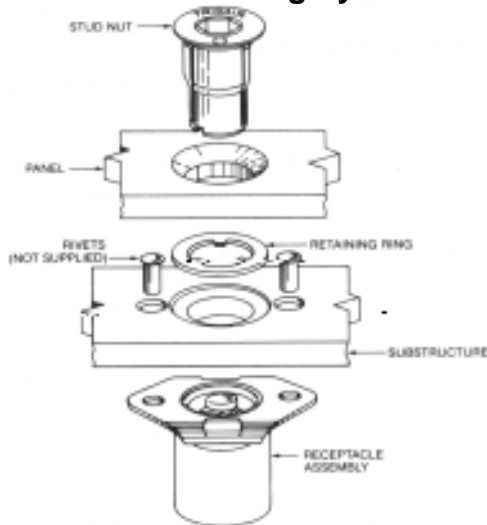
**Features:**

- Low prevailing installation and removal torques required, yet provides high vibration resistance.
- Receptacles offer radial float; most versions can be replaced without removing rivets.
- Positive stud nut retention.
- Stud nut hold-out feature available.
- Locking element is totally encapsulated.
- Total CRES (corrosion resistant) configurations available.

**Index**

Series	Nominal Stud Nut Size	Thread Size	Page Nos.
CA2000/ CA20000	3/16	.1120-40 2 Lead	3-9
CA1800/ CA18000	1/4	.1640-32 4 lead	10-19
CA1700/ CA17000	3/8	.1900-32 4 lead	20-26
		.2500-28 4 lead	27-32

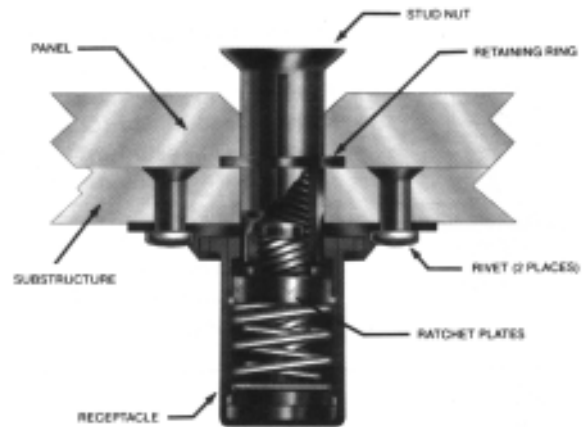
**Typical Live Lock Fastening System:**



**Exploded View**

Not shown are optional stud hold-out grommets and cages designed for applications where stud hold-out and bottom flush condition is required. Shims are also available if required.

**Locking Mechanism Design Principle:  
Spring Loaded Ratchet Plates.**



**Typical Installation**

Spring-loaded ratchet design insures positive locking action and vibration resistance without relying on prevailing torque. Spring(s) nullify effects of resonant vibrations.