

CMARS

COMMON MOBILE AIRCREW RESTRAINT SYSTEM

The Common Mobile Aircrew Restraint System (CMARS) is a personnel restraint device to be used by the crew members of both fixed and rotary wing aircraft. CMARS will allow crew members freedom of movement within the aircraft while still being restrained and lock during high-g events to reduce injuries and prevent personnel ejection from the aircraft.

- Replaces commonly used "Gunner's Belt"
- Universal to multiple aircraft through use of aircraft specific adapter
- May be ceiling, sidewall or floor mounted



- **Weight:** 6.5 lbs
- **Webbing:** 112 inches
- **Acceleration Lock Onset:** - 6g's nominal
 - 2-8 g's factory adjustable
 - Up to 16g's with slight modification
- **Belt Velocity Lock Onset:** - 7 fps nominal
 - Factory Adjustable to any value
- **3-Axis Electronic Accelerometer**
- **Microprocessor Controlled**
- **Battery Powered**
- **Webbing Slack Prevention**
- **Universal Swivel Mount**
- **Payout Length Control**
- **Attachable to Crew Vest/Harness**
- **Rapid Aircraft Installation**



- **Battery Life:** 5 year change
- **Service Life:** 10 years minimum
- **Load Capacity:** 5,000 lbs
- **Functional Life:** 740,000 linear feet webbing displacement
- **Environments:** MIL STD 810
- **Vibration/Shock:** MIL STD 810
- **Storage Temp:** -60° F to +160° F

FEATURES

SPECIFICATIONS



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