

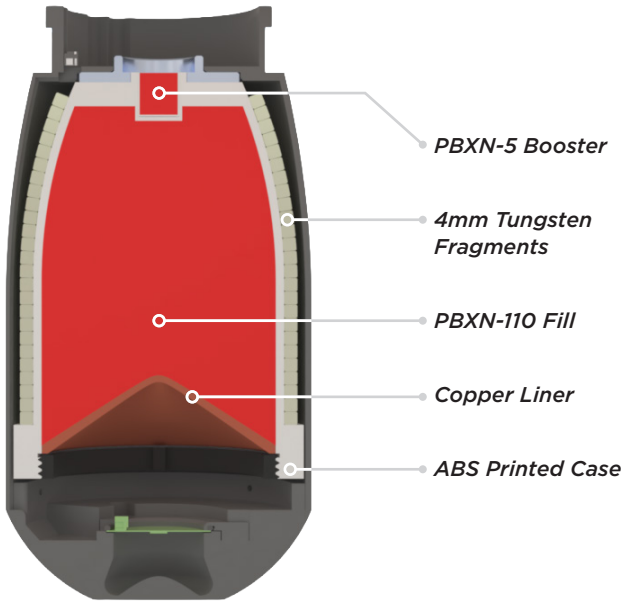
MCCORMICK STEVENSON'S COMBINED EFFECTS WARHEAD

DRONE DELIVERED LETHALITY | COMBINED EFFECTS | MODULAR MATERIALS | UAS OPTIMIZED

MUNITIONS **DRONE DELIVERED LETHALITY**

McCormick Stevenson's Combined Effects Warhead (CEW) is a next generation, drone deployable munition engineered to deliver blast, fragmentation, and armor penetrating effects in a compact 2.5 kg package. Built using proven high performance explosive formulations and designed for integration with modern uncrewed aerial systems (UAS), the CEW provides operators with a highly flexible lethality solution capable of defeating anti-materiel, anti-personnel, and maneuver support targets.

A modular design enables material swaps—tungsten, steel, or reactive material fragments, copper shaped charge liner or tantalum EFP. —offering both high performance and cost optimized configurations depending on mission needs and target sets.



McCORMICK™ STEVENSON
A PALIGEN TECHNOLOGIES COMPANY

CEW
Munitions
Drone Delivered Lethality

Combined Effects Warhead

KEY CAPABILITIES

- **Combined Effects Lethality:** Integrated Fragmentation body and shaped-charge Penetrator (EFP)
- **Drone Optimized Weight:** Lightweight ~2.5 kg warhead compatible with a wide range of UAS platforms
- **Anti-materiel Defeat:** 81mm Shaped Charge capable of defeating armored vehicles and structures
- **Anti-Personnel & Blast Effectiveness:** 1,405 tungsten fragments with a fragmentation pattern effective against personnel and lightly armored targets with a blast radius of 450 meters
- **Modular Material Options:** Swappable liners and penetrators (tungsten, steel, or reactive material fragments; copper shaped charge or tantalum EFP)
- **Cost Tiering:** High end performance builds or economical material configurations
- **Explosives Foundation:** Built using proven explosive formulations and manufacturing expertise

TECHNICAL ADVANTAGES

- **Explosive Body:** Combined fragmentation casing engineered for consistent anti-personnel distribution
- **Shaped Charge Penetrator:** Material configurable penetrator designed for standoff armor defeat
- **Modular Liner & Fragmentation Options:** Shaped charge or EFP (Tungsten, steel, or reactive materials); Fragmentation (tungsten or steel) selections enable cost/performance balancing
- **UAS Compatibility:** Optimized mass and form factor for drone carried payload integration
- **Physical Properties:**
  - Weight: ~2.5 kg

ABOUT MCCORMICK STEVENSON

McCormick Stevenson delivers engineering excellence in weapon systems design, Hi-G survivability, precision guidance solutions, and advanced actuation technologies. With decades of performance supporting the DoW and tier one defense contractors, MCCST combines innovation with disciplined engineering rigor.

PRECISION LETHALITY APPLICATIONS

Defense / Military

- *Drone Delivered Precision Strike:* UAS borne warhead for targeted engagements against light armor and personnel
- *Armor Defeat Missions:* Shaped charge capable of penetrating over 8 inches of RHA (rolled homogeneous armor) or 14 inches of steel. Highly effective against armored vehicles and protective structures
- *Anti-Personnel Effects:* Fragmentation patterns optimized for personnel clusters and lightly armored environments
- *Modular Payload Integration:* Warhead adaptable to multiple drone classes and mission profiles

Unmanned Systems

- *UAS Strike Platforms:* Configurable weight and materials enable tailored effects for small, medium, and large drones
- *Remote / Autonomous Engagements:* Supports unmanned targeting scenarios requiring multi-mode lethality

WHY CEW?

- Dual mode lethality in a compact drone deployable form
- Effective against personnel and light armored targets (blast/frag) and against heavily armored vehicles and structures (shaped charge or EFP)
- Configurable materials and cost tiers for mission flexibility
- Engineered using qualified, high-performance explosives
- Scalable across multiple UAS platforms and operational environments

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