



A/MH Carbon OMS

Armament Mounts and Ammunition Handling for MD-500/530,
MD-900, UH-1, 206 and 407 Series Aircraft

CFD International's **A/MH Carbon Fiber OMS** was developed based on operator feedback from over 27 years of combat use. Built upon the exacting standards and legacy of our original OMS "plank" system, **A/MH Carbon Fiber OMS**, provides improved performance over the legacy OMS at 25% less weight. We have developed a system tailored to the warfighter's mission while reducing weight and increasing mission capability.



AH Features and Benefits

Our **AH Carbon OMS** system is fully configurable for various weapon combinations including M134 Miniguns, M260 and M261 rocket pods, Hellfire launchers and GAU-19 machine guns. It supports three weapons stations per side. The folding outboard section has a jettisonable store station and a tip store station. Further, our AH system was designed and analyzed to meet the extreme Hellfire hang-fire load requirements. CFD has not compromised on the performance or quality of our Carbon OMS to save weight.



MH Features and Benefits

Our **MH Carbon OMS** system is fully capable of simultaneous carriage of 750 pounds on each side during flight. Provisions for personnel restraint attachment points are included, and the system safely supports installation of various mission equipment packages. New features have been added to the MH design to include the capability to attach custom mission equipment, and an integrated pin-tile mount for a crew-served machine gun.

A/MH Carbon OMS

Many materials were analyzed and tested during the design of our next-generation carbon OMS to find what would offer the best combination of accuracy, durability and lightweight. Carbon fiber was ultimately chosen as the primary structure due to several distinct properties including strength-to-weight ratio, corrosion resistance, improved repairability and resistance to denting. This choice was reinforced by recent advancements in carbon fiber technology – high performance out-of-autoclave resin systems, low moisture

absorption, improved UV resistance, reduced material cost, and increased impact resistance to name a few.

During development of our carbon OMS, CFD gathered operator feedback on the currently fielded OMS from visits with the 160th SOAR operators. This invaluable feedback was incorporated into the design thus improving capability, ease of use, reduced weight and new features not available on the original system.

A/MH Carbon OMS AT A GLANCE

- Lighter weight without sacrificing stiffness
- No-hassle install and removal of magazine
- Griffin missile tip store compatible
- Center section design prevents damage to upper surface of center section
- Adjustable struts to account for airframe variation
- Toolless, user-friendly installation of M134 gun and mount
- Aerodynamic leading and trailing edges with harness routing provisions
- Damage tolerant – no observable performance degradation after shooting the center section with .50 cal
- Superior field repairability
- Backwards compatible with existing A-kit and legacy outboard store attachments
- Magazine side/end handles aid in transport & installation
- Corrugated magazine floor and crossover sprocket ease ammo loading by preventing slippage of the ammo belt
- Integrated pintle socket on external personnel system for crew-served machine gun mount
- Improved corrosion resistance
- Dent proof center section and magazines



CFD International specializes in the design and manufacture of the finest weapons, mounting solutions, ammunition handling and fire control systems available today. With over 31 years of experience, and holding more than 40 patents, we are the world leader in high quality, precision engineered weapons mounting solutions.

For more information on A/MH Carbon OMS and to discover other CFD products and services visit us on our website at www.cfdintl.com

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