

# BELL 407 *SERIES II* ALWiP ADVANCED LIGHTWEIGHT WEAPONS PLATFORM

Product Information on the *COMPOSITE BASED* FOLDING PLATFORM



BELL 407 *Series II* COMPOSITE BASED Folding platform in aircraft shell

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# BELL 407 SERIES II ALWiP

## ADVANCED LIGHTWEIGHT WEAPONS PLATFORM



Product Information on the **COMPOSITE BASED** FOLDING PLATFORM

The new COMPOSITE BASED Advanced Lightweight Weapons Platform (ALWiP) is constructed from high strength-to-weight ratio graphite/epoxy composite materials which allow the deliberate tailoring of stiffness properties. The composite based ALWiP performs with the accuracy and dependability of its metal counterpart with a weight reduction of approximately 40%. A unique electrically conductive treatment provides a ground path to the helicopter, safely dissipating static electricity.

The lightweight modular system is designed to be quickly installed, removed, or reconfigured to support rapid deployments and flexible mission profiles. The system features an optional integrated external data and ICS ports to facilitate ground crew communication with aircrew and interface with critical aircraft mission systems.

The folding platform design enables rapid air transport of the aircraft without disconnecting the Weapon System structurally or electrically by folding and locking the outboard platforms upward. Alternately, the outboard platforms may be quickly removed and the aircraft doors secured with no additional reconfiguring required. These capabilities allow for rapid and flexible deployment of the helicopter as mission requirements change.

Fourteen inch NATO standard 1,000 pound class ejector racks provided at the outboard stations allow for installation of many standard payloads such as rocket and missile launchers, external fuel cells and gun pods to include the FN Herstal® FN RMP™ and FN HMP400™.

Specially designed modular Lightweight Gun Mounts are available for gun systems including the 7.62mm M-134 “minigun” and .50 Caliber GAU-19A/B Gatling gun and are strategically located at several inboard attachment points. Our standard cargo rail system is integrated into the platform inboard surface area to provide versatile mounting options for ammunition magazines and mission equipment. The floor system may be expanded to include the entire cabin area, creating a flat and unobstructed floor for utility or assault missions.

### Features:

- Optional Modular lightweight design allows for rapid mission configuration
- Integrated Communications System (ICS) and data port
- Two (2) stations equipped with 14” NATO standard ejector racks (ALKAN)
- Cargo rail system on center section for flexibility when securing cargo
- Optional modular floor provides additional cargo rails for added capacity
- 407 SERIES II Folding ALWiP is also available in a Continuous Configuration



BELL 407 MRH

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