



LIGHTWEIGHT BALLISTICS PROTECTION SYSTEM (LBPS)

OPTIMIZE MISSION READINESS

Providing ballistic protection with significant weight savings

Warfighters need safe, reliable and lightweight systems enabling them to adapt and respond quickly to evolving missions. Collins Aerospace fills that need with our Lightweight Ballistic Protection System (LBPS) for CH-47F and CH-47D Chinooks.

The LBPS upgrade is 154 lbs. lighter than the current system while providing the same level of threat protection. For Cargo On/Off Loading System (COOLS) equipped aircraft, LBPS requires no structural changes and mounts underfloor in the same configuration as the current Ballistic Protection System (BPS).

Since mounted under the cabin floor, LBPS provides protection for all mission types (cargo + troop transport) and is removable for low risk long range missions that require additional weight savings.



KEY FEATURES AND BENEFITS

- Upgrade for CH-47F and CH-47D Chinook helicopters
- Provides 154 lbs. weight savings
- Interchangeable with current BPS
- Removable for additional weight savings



Lightweight Ballistic Protection System for CH-47F and CH-47D

- Qualified and interchangeable with existing COOLS under floor BPS
 - Same configuration as the current BPS
 - 1-for-1 panel replacement with no structural changes required
- Weight savings of 154 lbs.
 - Current BPS system weighs 761 lbs.
 - New system weighs 607 lbs.
- Certified to defeat:
 - (V50) 7.62 x 51mm M80 Ball at muzzle, no standoff
 - All lesser threats
 - Provides same level of protection as the current BPS
- Underfloor mounted system provides cabin crew/passengers protection for all mission types
 - Cargo and troop transport missions
- Removable for low risk, long-range missions for weight savings
 - Most operators leave BPS installed
- Dyneema® Ultra-high Molecular Weight Polyethylene (UHMWPE) material:
 - 7.62 x 51mm M80 Ball V50 Velocity = ~2,950 fps per MIL-STD-662F (2,850 fps req.)
 - 5.56 x 45/55mm M193 FMJ V50 Velocity >3,450 fps per MIL-STD-662F (3,150 fps req.)



Specifications subject to change without notice.



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