



WEAPON BAY DOOR DRIVE SYSTEM

SMOOTH, FAST PERFORMANCE

Supporting simple or complex operations

Reliable weapon bay doors are critical for mission success. Collins Aerospace Weapon Bay Door Drive Systems (WBDDS) provide a full-system solution for various rotation types, multiple doors and other door system architectures.

Collins is the supplier of WBDDS for F-35 aircraft. Our proven industry experience enables us to provide the support our customers need throughout the entire process, from design to installation and certification.

Fast and smooth WBDDS systems minimize loss of Low Observability (LO) as well as other issues caused by an open bay. Designed using hydraulic or electric, our systems are built to support simple or complex operations to ensure high performance for all scale aircraft, including fifth-, and sixth-generation fighter jets, rotorcrafts and unmanned autonomous vehicles (UAVs).

KEY FEATURES & BENEFITS

- Supports multiple door and rotation types
- Multi-speed and multi-angle actions
- Hydraulic or electric main bay and side bay systems





FULL-SYSTEM APPROACH

We consider the following when designing and developing your WBDDS:

- System design
- Performance modeling
- Integration/Iron Bird testing
- Test experience at a systems level
- Qualification
- Customer support

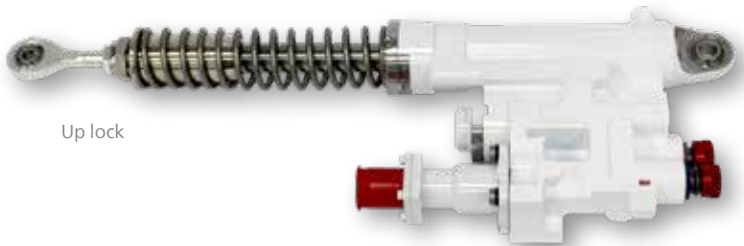
SPECIFICATIONS

- Inboard and outboard door open and close from 0.8 sec to any desired time
- Hydraulic power up to 5,000 psi
- Electric power DC/AC from 28Vdc
- Supports a variety of applications, including:
 - Single door
 - Two doors
 - Multiple doors
 - Traversing door
 - Rotating door

Specifications subject to change without notice.



Actuator door lift



Up lock

Over travel stop

