



GRID-LOCK F-15 AND F-16 COMPONENTS

Your direct source for GRID-LOCK® parts

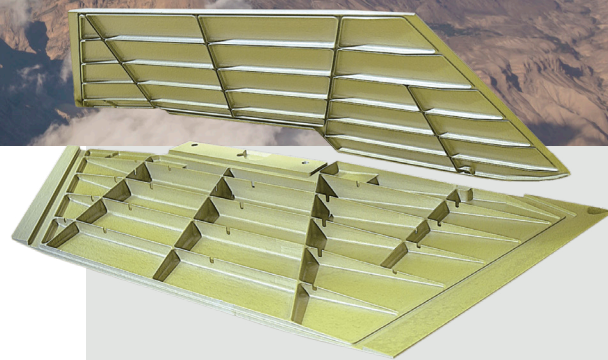
Safer, lightweight components with longer lifespans

Collins Aerospace's advanced aluminum GRID-LOCK technology enables adhesive bonding of machined components with simple tongue-and-groove joints to deliver lightweight, low-cost and highly durable structures that enhance the temperature capabilities, safety and performance of the F-15 and F-16.

The state-of-the-art GRID-LOCK manufacturing process leads to flight control surfaces that are stronger and more resistant to corrosion than conventional methods used to produce isogrid or stiffened-skin components.

Featuring a combination of internally treated materials and a vented/drained structure, GRID-LOCK virtually eliminates moisture entrapment and the subsequent disbonds associated with other honeycomb structures, both increasing the lifespan of the components and making them much easier to replace when needed.

As the original equipment manufacturer (OEM) of all GRID-LOCK components, Collins can provide high design flexibility, keep costs down and decrease turnaround times.



KEY FEATURES & BENEFITS

- Virtually eliminates corrosion from moisture entrapment.
- Reduces component weight.
- Increases component lifespan.
- Lowers life-cycle costs.
- Decreases turnaround time.
- Supports design flexibility.



Reduce corrosion and life-cycle costs with GRID-LOCK components



F-15

Ailerons

Vertical stabilators, including vertical leading edge and rudder fairing and lower aft boxes

Horizontal stabilators Including the horizontal aft box, the horizontal forward box, horizontal inboard box and the horizontal stabilizer tip.

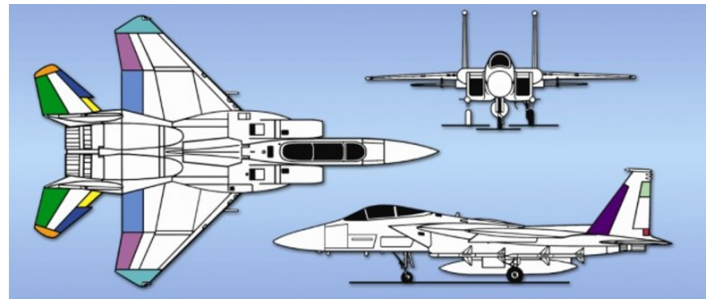
Flaps

Wing tips

F-16

Wing-fixed trailing edge

Nose landing gear doors



Specifications subject to change without notice.