



Valley Box Company provides you with the right tools to optimize your shipping process and increase your service capabilities, all while increasing efficiency and cutting costs.

Case Study: Steel Reinforced Long Box

CHALLENGE

An Aircraft Systems Manufacturer required a shipping container for two 26' delicate wings. The length of the assembled wing exceeded the tensile allowances of the wood base, so an alternate reinforcement was required to prevent bending or bowing damage from rough handling. Also, the end destination had limited lifting capability and therefore required that the container be opened and unloaded by hand.

BENEFITS

- Damage free wing deliveries
- Easy removal by final destination personnel
- Steel allowed for length requirements
- Less expensive than alternative molded case

SOLUTION

Valley Box's engineers worked on a solution that involved sectioning the container's lid into thirds with drop-down end & side panels. This reduced the operators handling weight, which allowed for unpack without machinery. Steel was integrated into the internal structure to add shear support to this unique spanned-open-lid design. Custom saddles and tie downs were installed to support the fragile wings during transit.

TESTIMONIAL

“The design and construction of the container gave me confidence that the wings will be well protected during shipping.”



*Project Engineer
Aircraft Systems Manufacturer*



**ERGONOMIC
DROP-DOWN
LID DESIGN**



**REINFORCED
STEEL LID**



UNUSUAL LENGTH REQUIREMENTS