

Unicross Cargo Delivery Parachute

Based on our proven British ADUX design, Airborne Systems presents a new and improved approach for the Unicross cargo parachute.

Its unique design, already known for its user friendly easy-to-tie assembly, is now more durable as it has also been updated with new, more robust material which allows for multiple drops.

In addition to its 500 and 2200-lb delivering capability, the Unicross can now meet any payload requirements between 500 and 2200lb due to its “build-to-suit capability”. What this new capability offers is a kit made of spare parts allowing for customized assembly.

ADVANTAGES

- **Enhanced material for more robust overall product:**
Average of 5 drops per cargo parachute.
- **Easy tie-in panel construction:** The Unicross parachute is built with 2 types of interchangeable panels (crown and wing panels). It offers a considerable reduction in maintenance time and repairs can easily be made in the field as no sewing is required.
- **Easy drop:** The release away static line eliminates the requirement to recover the deployment bag into the aircraft. Also, the Unicross can be dropped from any cargo ramp and paratroop door equipped aircraft.
- **Economical solution throughout:** Each part of the system is designed with cost efficiency in mind (Canopy, D-bag, Riser, Cargo container slings) while allowing for multiple re-use. In addition, man-hour is reduced to roughly 1 hour packing/repair time for a 2200 lb.
- **Build to suit capability:** Option to buy the Unicross in individual wing and crown panels to suit any payload requirement between 500 lbs to 2200 lbs. This solution allows the operator the ability to immediately assemble the parachute in the field as well as provide fast repair for any damaged panels by simply and rapidly replacing any damaged components.



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Unicross

BUILD-TO-SUIT CAPABILITY

A major advantage of Airborne Systems' Unicross System is its flexibility to quickly build parachutes to suit the payload, using the same components. These components can be ordered as spares. A trained person can build a 2200-lb payload parachute in roughly 1 hour.

SPECIFIC BUILD-TO-SUIT ADVANTAGES

- Roughly 10% savings in assembly cost
- Build parachutes to suit any mission, even in the field
- Reduced storage size, no special storage requirements
- Reduced training and maintenance costs
- Repair to specific panels does not put whole parachute out of service
- Panels from recovered parachutes can be re-used to build a new system



Parachute Release— ATLAS PR-A2

Complimentary to the UNX parachute system is Airborne Systems' Atlas PR-A2 Parachute Release. The Atlas PR-A2 is a mechanism that separates the parachute from its cargo upon landing.

The payload range is from 500 lbs to 5000 lbs, this design offers increased survivability for the payload by eliminating dragging after landing. It also provides greater safety for drop zone personnel recovering the payloads in high wind conditions.



Atlas PR-A2

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