

LOW COST CARGO PARACHUTE SYSTEM

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The LCPS is a low cost alternative to current Cargo Aerial Delivery Systems. The system has been designed by utilizing readily available low cost materials and establish easier ways of manufacturing. The innovative parachute design makes it possible to manufacture a parachute within a very short period of time with the minimal assortment of equipment involved. Ideally suited for aerial delivery of supplies for humanitarian needs such as food and medical supplies.

FEATURES

- Simplified manufacturing process
- Cruciform/Segmented type design approach
- Simple repair using traditional materials
- Simplified rigging and packing
- Reuse of parachute



TECHNICAL REQUIREMENTS

The Irvin designed Low Cost Cargo Parachute system meets the following requirements:

1. Cargo Weight Range Up to 500 lbs
2. Altitude Loss 250 ft
3. Deployment Air Speed 130 Knots
4. Rate of Descent (500 lbs) 28 ft/sec
5. Oscillation..... Less than $\pm 15^\circ$

IRVIN products have been developed and tested for over 75 years to demanding specifications. They are in use worldwide and are endorsed by many nations as products of reliability and quality.

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