

The RA-300 is a scaled down version of the RA-1, the first Ram-Air Parachute system to be Type Classified by the U.S. in over 20 years. Developed to replace the MC-4 Ram-Air Parachute System, the RA-1 provides a number of significant advantages over all other military parachute systems available today. Improvements to glide performance, canopy handling characteristics, and weight carrying capacity.

The RA-300 maintains all the unique features of the RA-1, but is a more appropriate system for users who are not looking at jumping a maximum All Up Weight (AUW) higher than 360lbs (163kg), compared to 450lbs (204kg) for the RA-1.

System Specifications

The RA-300 has been certified for use to 25,000 ft Above Mean Sea Level to an all up weight of 360lb, (163KG). Both the main and reserve parachutes utilize a unique reflexed airfoil section which provides a 4:1 glide ratio, allowing jumpers to travel farther under canopy. The design of the RA-300 canopy provides a unique stall resistant ability that significantly reduces the potential for jumper injury on landing.

The harness has been developed to accommodate a wider anthropomorphic range (5% female to 95% male) while providing greater comfort. The RA-300 harness container is capable of accommodating all mission essential equipment such as weapon tie down points, radio pouches, and the use of oxygen systems.

Main Canopy

The RA-300 main canopy is a nine cell hybrid construction (zero porosity top skin, 1.1 oz 0-3 CFM nylon bottom skin) capable of three deployment methods; Double Bag Static Line (DBSL), Over The Shoulder Ripcord, and Bottom of Container Throw Out Pilot Chute (BOC).

The RA-300 main and reserve canopies both utilize a pressurized stabilizer which reduces drag during flight and provides greater canopy control during landing. The RA-300 also incorporates a collapsible slider. The pressurized stabilizers and collapsed slider result in a completely silent canopy during flight.



Reserve Canopy

The nine cell RA-300 reserve canopy is constructed of 1.1 oz, 0-3 CFM nylon, making the reserve easier to pack. The RA-300 reserve also matches the 4:1 glide ratio of the RA-300 main canopy. Incorporation of vents in the canopy bottom skin and mesh in the slider allow the reserve to meet demanding requirements for height loss on opening through the entire performance range of the RA-300.

Harness Container

The RA-300 harness container incorporates a unique bio harness structure that more evenly distributes the weight of the system across the jumper's shoulders. The bio harness greatly improves comfort and fitting of the harness container. Removable side wings allow for storage of a personal radio and provide protection for exposed weapons and personal oxygen systems. The RA-300 harness container incorporates inspection windows for main and reserve ripcords.





RA-300 Product Specifications

Glide Ratio	> 4:1
Max Deployment Altitude	25,000 ft (7620 m) AMSL
Min. Recommended Exit Altitude (Free Fall)	5,000 ft (1524 m) AGL
Min. Recommended Deployment Altitude (Free Fall)	3,500 ft (1067 m) AGL
Min. Recommended Deployment Altitude (DBSL Mode)	3,500 ft (1067 m) AGL
Canopy Area	300 ft ² (27.9 m ²)
Max All Up Weight	360 lb (163 kg)
Min. All Up Weight	141 lb (64 kg)
Main Parachute Deployment Methods	Spring Loaded Pilot Chute Double Bag Static Line Bottom of Container Throw Out Chute

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