

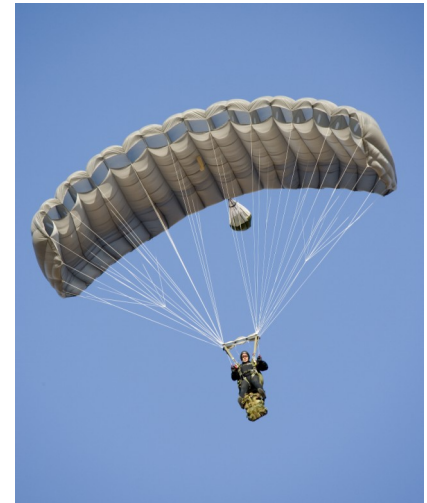
# RAIDER-INTRUDER™ 300

## RAM AIR CANOPY

The Intruder™ 300 canopy is the newest addition to the Airborne Systems range of ram air canopies. This smaller parachute system offers the same capabilities as the Intruder™ 360 while allowing for lighter jumpers a greater reactivity while under canopy.

This system may be used for HALO and HAHO missions in either the standard ripcord with spring loaded pilot chute, BOC (Bottom Of Container) throw out pilot chute, or static line mode and has been specifically designed for loaded parachutists jumping into rough, unfamiliar drop zones at night.

The Intruder™ canopy is based on an Airborne System developed reflexed airfoil. This reflexed airfoil provides an increase in attached airflow which improves velocity and glide.



### Intruder™ 300 Main canopy performance

The Intruder™ 300 offers high glide performances performance for maximized offset and handling agility along with high level of stability and forgiveness across the entire flight envelope to minimize injury on landing.

A major contributor to the Intruder™'s performance capabilities is the pressurized stabilizer. The stabilizers begin working during deployment, helping spread the bottom surface in a smooth and consistent manner. They reduce wingtip vortices during flight and increase the glide performance of the Intruder™. The pressurized stabilizers also improve the Intruder™'s performance in deep brakes when preparing to land by forcing the canopy to track directly forward with no lateral slip or slide. In short, the pressurized stabilizers add to the performance capabilities of the Intruder™ throughout the entire flight profile.

The toggle pressure on the Intruder™ is relatively light and the control stroke is relatively long. This makes deep brake maneuvers smooth and easy to hold, even when steep approaches demand deep brakes for extended periods. Recovery from deep braking is also smooth and easy.

The Intruder™ is intended to be used with the Raider™ harness container. The Intruder™ Reserve canopy has been tested with the Raider harness container to TSO C23d standards. It is rated for a maximum operating speed of 150 KIAS and a maximum weight of 360 lbs.

### Intruder™ 300 Reserve canopy performance

The Intruder™ Reserve canopy design remains virtually the same as the Intruder™ Main canopy with two exceptions. The Intruder™ Reserve does not have the static line components of the Intruder™ Main and the Intruder Reserve™ is constructed of 0-3 CFM Nylon Ripstop, rather than the hybrid construction of the Intruder™ Main. The 0-3 CFM Nylon Ripstop has similar performance to zero porosity nylon when new which results in no loss of flight performance. The elimination of zero porosity nylon in the Intruder™ Reserve greatly improves the ease of packing.

The Intruder™ Reserve and Raider™ Harness Container has successfully met all requirements for TSO C23d certification. A complete test data package can be made available upon request.

The Airborne Systems Family of Brands  
GQ Parachutes / Irvin Aerospace / Para-Flite / Aircraft Materials (AML)

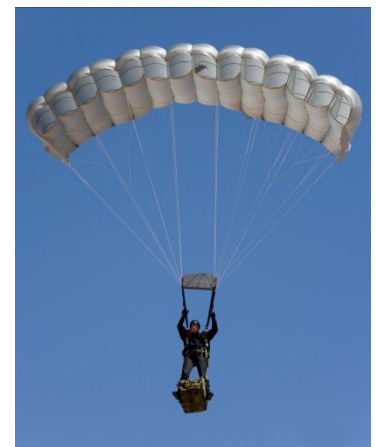
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Dedicated To Preserving The Safety  
Of The Mission And Its People

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INTRUDER™ 300 MAIN TECHNICAL DATA				
Part number (Free fall only canopy)	825250-0		Rate of descent @ 200 lbs (90.7 kg)	Rate of descent @ 350 lbs (159 kg)
Max. deployment altitude	25,000 ft MSL (7620 m)		8.8 fps (2.7 mps)	11-13 fps (3.4 – 3.9 mps)
Deployment method	Ripcord, Static line, BOC	1/4 Brake	8.8 fps (2.7 mps)	
Glide Ratio	4:1	1/2 Brake	7.5 fps (2.3 mps)	
Suspended Weight	360 lbs (163 Kg)	3/4 Brake	7.5 fps (2.3 mps)	
Stall	Resistant to stall			
Turn rate @ 180° Turn	1.5–2 seconds			
Turn Rate @ 360° Turn	2–4 seconds			
Forward speed @ 200 lbs	41 fps (28 mph; 12.5 mps; 45kph)			
Forward speed @ 300 lbs	54 fps (36.8 mph; 16.5 mps; 59.2 kph)			

INTRUDER™ 300 RESERVE TECHNICAL DATA	
Part number	825400-0
Suspended weight	360 lbs (Tested to TSO C23d with Raider harness)
Max. deployment altitude	25,000 ft MSL (7620 m)
Glide Ratio	4:1
Canopy fabric	0–3 CFM Nylon Ripstop



*This data sheet is for information only and shall not form part of a contract*

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