

INTRUDER™ Ram Air System

Designed to meet the requirements of military users, the Intruder™ System is suited to fit a wide range of capabilities from novice to experienced pilot allowing for an ease of use while bringing exceptional functionalities.

This advanced parachute system, consisting of the Intruder canopy main parachute, the Intruder reserve parachute, and the Raider 2 harness/container, has been specifically designed for jumpers carrying heavy loads into rough, unfamiliar drop zones at night. These conditions demand a canopy that provides superior glide performance for maximum offset and performance characteristics to minimize the potential for injury on landing. In other words, fly further, carry more, and land softly.



Selected by U.S. DoD

The Intruder System is the system of choice for the U.S. Army ARAPS program. As a replacement for the MC-4. To date, thousands of Intruder systems have been sold to the U.S. and International customers. The Intruder systems is currently being used in operational theaters.

Intruder™ System's advantages: Canopies

- Intended for use during HALO or HAHO missions, the canopy's specific reflexed characteristic developed by Airborne Systems improves velocity and glide.
- No stall technology.
- Light toggle pressure and long control stroke makes deep brake maneuvers and recovery smooth and easy.
- Pressurized stabilizers also increase glide performance. Additionally, they improve performance in deep brakes when preparing to land by forcing the canopy to track directly forward with no lateral slip or slide.
- The Intruder™ Reserve canopy has been tested with the Raider harness container to TSO C23d standards.
- Capable of being configured with Airborne System's new MicroFly™ Equipment Delivery System.

Harness

- **New:** Bio Harness providing greater comfort as spreading the system's weight on a greater area of the body.
- Versatile deployment methods with spring loaded pilot chute, hand deploy pilot chute, or static line
- Single pin reserve with clear inspection window
- Versatile attachment points ensuring any ruck sac attachment configuration
- Has met TSO C23d standards to an All Up Weight of 450 lb. (204kg) when used with the Intruder™ 360 reserve canopy.

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INTRUDER™ 360 CANOPIES TECHNICAL DATA			
	Main 360		Reserve 360
Part number	825200		825300
Suspended Weight	450 lb. (204kg)		450 lb. (204kg) Tested to TSO 23d w/ RAIDER™ 2 Harness at 560 lbs. /240 KIAS
Canopy Span	31.7 ft ² (9.7m)		31.7 ft ² (9.7m)
Canopy Aspect Ratio	2.79 (b2/Sw)		2.79 (b2/Sw)
Canopy Construction	Top Surface: Zero Porosity Nylon Ripstop Bottom surface: 0-3 CFM Nylon Ripstop		Top and Bottom Surface: 0-3 CFM Nylon Ripstop
Line Type/Strength	Spectra / 1000 lb. (454kg)		
Deployment Altitude Max.	25,000 ft. MSL (9100m)		
Glide Ratio	4:1		
Turn rate, 180° Turn	1.5 - 2.0 Seconds		
Turn Rate, 360° Turn	2.0 - 4.0 Seconds		
Forward Speed, Full Glide	@250lbs.	@ 360 lbs.	@ 425 lbs.
Main 360	26.3 mph	33 mph	35 mph
Reserve 360			
Forward Speed, Full Brakes	@250lbs.	@ 360 lbs.	@ 425 lbs.
Main 360	16.5 mph	20.9 mph	21 mph
Reserve 360			
Rate of Descent, Full Glide	@250lbs.	@ 360 lbs.	@ 425 lbs.
Main 360	9.4 fps	11.5 fps	12.5 fps
Reserve 360			
Rate of Descent, Full Brakes	@250lbs.	@ 360 lbs.	@ 425 lbs.
Main 360	7.8 fps	9.4 fps	9.9 fps
Reserve 360			
RAIDER 2™ HARNESS TECHNICAL DATA			
Container Material	TSO C23d	Maximum Deployment Altitude	25,000 ft. (7620 m)
Max. Suspended Weight	450 lb. (205 kg)		
Harness/Container Weight	17 lb. (7.7 Kg)	Reserve AAD	CYPRES II or Vigil II
Adjustable Harness 8 Points of Adjustment (Fully adjustable main lift webs; close fitting diagonal adjustment for more stability; Quick Ejector leg strap adjustments; chest strap; belly band).			

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