

# AS33-INTRUDER

## STATIC LINE RAM AIR PARACHUTE

The AS33-INTRUDER has been specifically designed to be used for low level insertions into water. It can be used to follow rigid inflatable boats from a minimum exit altitude of 1500ft AGL by day and night.

The main and reserve canopy's are based on the Airborne Systems developed reflex airfoil. It is a semi elliptical 9 cell ram air canopy with excellent glide performance, outstanding handling characteristics and an anti-stall modification to minimise the risk of injury on landing.

The AS33-INTRUDER harness has been ergonomically designed for entry into water. It contains Snap-Hook Ejectors for quick release, a single action reserve emergency deployment system and a single riser release handle to prevent dragging either on land or water.

The AS33-INTRUDER is capable of supporting all-up-weights up to 450lbs (204.5kg) and has a maximum despatch altitude of 12,000ft AMSL. The main and reserve canopy are identical in size with the main canopy being made from zero porosity nylon and the reserve canopy manufactured in 0-3 CFM Ripstop Nylon to reduce pack volume.

To improve parachutist safety the AS33-INTRUDER has been fitted with the EROS Reserve Static Line (RSL) device. This enhancement is designed to reduce altitude loss during the emergency cut away of a malfunctioning main canopy. The device uses the high drag created by the malfunctioning main canopy to extract the reserve from its container. The EROS system dramatically minimizes the time taken, after main canopy jettison, for the reserve to inflate; an essential requirement when exiting at 1500ft AGL.



**AS33-Intruder Canopy**



**AS33 -Intruder Static Line**

# AS33-INTRUDER

<b>Part Number:</b>	<b>825200 (Main Canopy)</b>
Parachute Type:	Semi elliptical 9 cell ram air, pressurised stabilisers
Suspended Weight:	450 lbs (204 kg)
Canopy Area:	360 ft <sup>2</sup> (33.4 m <sup>2</sup> )
Canopy Span:	31.7ft (9.7m)
Canopy Chord Middle:	12 ft (3.7m)
Canopy Chord Tips:	9.7ft (3m)
Canopy Aspect Ratio:	2.79 (b2/Sw)
Canopy Construction:	<u>Chordwise:</u> Half Cell Top, Full Cell Lower Surface <u>Top Surface:</u> Zero Porosity Nylon Ripstop <u>Bottom Surface:</u> 0-3 CFM Nylon Ripstop
Deployment Method:	Static Line
Line Strength and Type:	Spectra 1000 lb (454 kg)
Deployment Altitude Maximum:	12,000 ft. MSL (3636 m)
Lift/Drag Ratio, Full Glide:	4:1
Rate of Descent @ 200 lbs:	8 fps (2.4 mps)
Rate of Descent @ 350 lbs:	10 - 12 fps (3 - 3.7 mps)
Rate of Descent: ¼ Brake @ 200 lbs:	8 fps (2.4 mps)
½ Brake @ 200 lbs:	7 fps (2.1 mps)
¾ Brake @200 lbs:	7 fps (2.1 mps)
Stall:	Resistant to stall
Turn Rate, 180° Turn	1.5 - 2 seconds
Turn Rate, 360° Turn	2 - 4 seconds
Forward Speed @ 200 lbs:	38 fps (26 mph; 11.6 mps; 41.8 kph)
Forward Speed @ 300 lbs:	50 fps (34 mph; 15.2 mps; 54.8 kph)