



## Intruder® Instructor Parachute

The Intruder® Instructor Parachute system is designed for Jumpmasters and Military Free Fall Instructors. It is the smallest of the Intruder® parachutes, allowing for greater mobility in the aircraft and during freefall. This smaller parachute matches performance to the RA series of parachutes, allowing instructors to fly with a stack of RA-300, RA-360 or RA-1s by matching wing loading. The Intruder® Instructor Parachute is available in a range of sizes including 170, 190, 210, and 230, each paired with the Intruder® 210R Reserve canopy.

### Intruder® 190/230 Main Canopy Performance

The main canopy offers high-glide 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. Similar to other Intruder® canopies, a major contributor to the Intruder® 190/230 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 canopy'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.

### Intruder® 210 Reserve

The Intruder® 210R reserve canopy has been designed to match all the requirements of the latest PIA TS 135 v1.4 technical standard, and has received certification by the FAA per the TSO C23(f). The Intruder® 210R is a variation of the Intruder® parachute series, keeping the main attributes such as stability and safe flight characteristics, but has been modified to be compatible with the stringent criteria of the TSO C23f in terms of opening characteristics. The Harness Container incorporates many features unique to the RA-1/Raider Intruder® series, in particular the Bio-contour that distributes the load of the parachute evenly across the shoulders and back. The articulated harness allows complete freedom of movement on the ground and in the air. These two features immensely reduce fatigue during long training days or flights.

## AIRBORNE SYSTEMS NORTH AMERICA

sales@airborne-sys.com  
airborne-sys.com

### CALIFORNIA

3100 W. Segerstrom Avenue  
Santa Ana, CA 92704, USA  
Tel: +1.714.662.1400  
Fax: +1.714.662.1586

## WHERE TECHNOLOGY » TAKES FLIGHT

### NEW JERSEY

5800 North Magnolia Avenue  
Pennsauken, NJ 08109, USA  
Tel: +1.856.663.1275  
Fax: +1.856.663.3028

### TRAINING FACILITY

4760 North Lear Drive  
Eloy, AZ 85131, USA  
Tel: +1.856.397.6551

## Product Specifications

### Intruder® 190 Main Technical Data

<b>Glide Ratio</b>	3:5:1
<b>Maximum Operating Weight</b>	234 lb (106 kg)
<b>Forward Speed @ 200 lb (90.7 kg)</b>	44 fps (13.4 mps)
<b>Rate of Descent @ 200 lb</b>	13.2 fps (4 mps)

### Intruder® 230 Main Technical Data

<b>Glide Ratio</b>	3:5:1
<b>Maximum Operating Weight</b>	234 lb (106 kg)
<b>Forward Speed @ 200 lb (90.7 kg)</b>	40 fps (12.2 mps)
<b>Rate of Descent @ 200 lb</b>	12 fps (3.7 mps)

### Intruder® 210R Military Reserve Technical Data

<b>Max All Up Weight</b>	247 lb (112 kg)
<b>Min All Up Weight</b>	120 lb (54 kg)
<b>Maximum Deployment Speed</b>	
up to 10,000 ft MSL	156 KIAS
between 10,000 to 20,000 ft MSL	132 KIAS
between 20,000 to 25,000 ft MSL	115 KIAS
<b>Maximum Deployment Altitude</b>	24,999 ft MSL
<b>Minimum Deployment Altitude</b>	900 ft AGL
<b>Deployment Method</b>	Ripcord handle, RSL, MARD, EAAD

### Intruder® 210R TSO Reserve Technical Data

<b>Max All Up Weight</b>	234 lb (106 kg)
<b>Min All Up Weight</b>	120 lb (54 kg)
<b>Maximum Deployment Speed</b>	
up to 10,000 ft MSL	128 KIAS
between 10,000 to 20,000 ft MSL	109 KIAS
between 20,000 to 25,000 ft MSL	95 KIAS
<b>Maximum Deployment Altitude</b>	24,999 ft MSL
<b>Minimum Deployment Altitude</b>	750 ft AGL
<b>Deployment Method</b>	Ripcord handle, RSL, MARD, EAAD

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