

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 off-set and performance characteristics to minimize the potential for injury on landing. In other words, fly farther, carry more, and land softly.

#### RA-360 Features:

##### RA-1 Intruder® Canopy

- 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.
- RA-360 with Intruder® 360 main canopy is compatible with MicroFly® Guided Precision Aerial Delivery System.

##### RA-1 Harness Container

- 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 deployed pilot chute, or static line.
- Single pin reserve with clear inspection window.



- Versatile attachment points ensuring any rucksack attachment configuration.
- Can carry an All Up Weight of 450 lb (204kg) when used with the Intruder® 360 reserve canopy.

##### Accessories

- Double bag static line components
- BOC pilot chute components
- Oxygen pockets
- Radio pocket
- Carry bag
- HAHO seat



## Specifications

### Intruder® Main 360

### Intruder® Reserve 360

|                                       |                             |              |                          |          |
|---------------------------------------|-----------------------------|--------------|--------------------------|----------|
| <b>Suspended weight</b>               | 450 lb                      | 204 kg       | 450 lb                   | 204 kg   |
| <b>Canopy</b>                         |                             |              |                          |          |
| Span                                  | 31.7 ft <sup>2</sup>        | 9.7m         | 31.7 ft <sup>2</sup>     | 9.7m     |
| Aspect ratio                          | 2.79 (b2/Sw)                | 2.79 (b2/Sw) |                          |          |
| Construction                          |                             |              |                          |          |
| Top surface                           | Zero Porosity Nylon Ripstop |              | 0-3 CFM Nylon Ripstop    |          |
| Bottom surface                        | 0-3 CFM Nylon Ripstop       |              | 0-3 CFM Nylon Ripstop    |          |
| <b>Line Type/Strength</b>             | Spectra / 1000 lb 454 kg    |              | Spectra / 1000 lb 454 kg |          |
| <b>Deployment altitude max. (MSL)</b> | 25,000 ft                   | 7620 m       | 25,000 ft                | 7620 m   |
| <b>Glide ratio</b>                    | 4 : 1                       |              | 4 : 1                    |          |
| <b>Turn rate</b>                      |                             |              |                          |          |
| 180° Turn                             | 1.5 – 2.0 Seconds           |              | 1.5 – 2.0 Seconds        |          |
| 360° Turn                             | 2.0 – 4.0 Seconds           |              | 2.0 – 4.0 Seconds        |          |
| <b>Forward speed: full glide</b>      |                             |              |                          |          |
| @ 250 lb                              | 26 mph                      | 41.8 kph     | 26 mph                   | 41.8 kph |
| @ 350 lb                              | 33 mph                      | 53.1 kph     | 33 mph                   | 53.1 kph |
| @ 425 lb                              | 35 mph                      | 56.3 kph     | 35 mph                   | 56.3 kph |
| <b>Forward speed: full brakes</b>     |                             |              |                          |          |
| @ 250 lb                              | 16.5 mph                    | 26.6 kph     | 16.5 mph                 | 26.6 kph |
| @ 350 lb                              | 20.9 mph                    | 33.6 kph     | 20.9 mph                 | 33.6 kph |
| @ 425 lb                              | 21 mph                      | 33.8 kph     | 21 mph                   | 33.8 kph |
| <b>Rate of descent: full glide</b>    |                             |              |                          |          |
| @ 250 lb                              | 8.5 fps                     | 2.6 mps      | 9.5 fps                  | 2.9 mps  |
| @ 350 lb                              | 11.5 fps                    | 3.5 mps      | 11.5 fps                 | 3.5 mps  |
| @ 425 lb                              | 12.5 fps                    | 3.8 mps      | 12.5 fps                 | 3.8 mps  |
| <b>Rate of descent: full brakes</b>   |                             |              |                          |          |
| @ 250 lb                              | 7.8 fps                     | 2.3 mps      | 7.8 fps                  | 2.3 mps  |
| @ 350 lb                              | 9.4 fps                     | 2.8 mps      | 9.4 fps                  | 2.8 mps  |
| @ 425 lb                              | 9.9 fps                     | 3.0 mps      | 9.9 fps                  | 3.0 mps  |

## Specifications

### RA-1 Harness Container

|                                    |   |
|------------------------------------|---|
| <b>Container material</b>          | MIL-C-43734 1000 denier Cordura   |
| <b>Max. suspended weight</b>       | 450 lb      204 kg  |
| <b>Harness/container weight</b>    | 17 lb      7.7 kg   |
| <b>Maximum deployment altitude</b> | 25,000 ft      7620 m   |
| <b>Reserve AAD</b>                 | CYPRES II or Vigil II   |
| <b>Adjustable harness</b>          | 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). |

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