

RAIDER SYSTEM

TACTICAL GLIDING PARACHUTE SYSTEM



For More Information Please
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The **RAIDER** is the most versatile tactical parachute system on the market today. The **RAIDER** is designed specifically to provide the user with an improved offset distance capability and increased load carrying capacity combined with more comfort and softer openings.

- New Harness/Container design with:
 - More comfort.
 - Higher equipment attachment points to accommodate heavier loads.
 - Versatile deployment methods with spring loaded pilot chute, hand deploy pilot chute, or static line.
 - Single pin reserve.
 - AAD configuration for: CYPRES, AR2, or FF-2.
- 370Z Main Canopy:
 - 450 lb. (204 kg.) All Up Weight (AUW) capability.
 - 4-4.5:1 L/D
 - 2.5:1 Aspect Ratio
 - 11 Cell
 - Zero Porosity Top Skin
 - Deployable up to 30,000 ft. MSL.
- 370Z Reserve Canopy:
 - Same as 370Z Main Canopy

- Optional HI-Glide Main Canopy
Not Static Line Deployable
 - Fits in the standard **RAIDER** Harness/Container.
 - Over 5.5:1 L/D *Highest L/D military canopy.*
 - 3.55:1 Aspect Ratio
 - 17 cells
 - Zero Porosity Top Skin and Ribs.



RAIDER SYSTEM

TECHNICAL SPECIFICATIONS

370Z CANOPY Main/Reserve

| | |
|----------------------------|---|
| Part Number | 820355 |
| Color | Silver unless otherwise specified |
| Type | Semi-elliptical Ram Air |
| Cells | 11 |
| Fabric | |
| Top Surface: | Zero Porosity Coated Nylon Ripstop |
| Bottom Surface: | Nylon Ripstop, 0-3 CFM, MIL-C-44378 |
| Span | 30.8 ft. (9.39 m.) |
| Chord | 12 ft. (3.65 m.) |
| Area | 370 ft ² (34.37 m ²) |
| Lines | 48 (continuous) + control lines (2) |
| Line Type | Suspension: 600 lb. (272 kg.) Spectra Lower Control: 1000 lb. (454.5 kg.) Dacron |
| Aspect Ratio | 2.5:1 |
| Lift/Drag | 4:1 - 4.5:1 |
| Base Line | 17 ft. 3 in. ± 2 in. (43.18 cm. ± 5.08 cm.) |
| Trim A-B-C | ½-6-10 in. ± ½ in. (1.27-15.24-25.4 cm. ± 1/27 cm.) |
| Full Flight Setting | 10 in. ± 1 in. (25.4 cm. ± 2.54 cm.) |
| Deployment Brake Setting | 6 in. ± 1 in. (15.24 cm. ± 2.54 cm.) |
| Pack Volume | 1080 cu. in. (17698 cu. cm.) |
| Rate of Descent @ 200 lbs. | 8 fps (2.43 mps) |
| Rate of Descent @ 350 lbs. | 10-12 fps (3.04 – 3.65 mps) |
| ¼ Brake @ 200 lbs. | 8 fps (2.43 mps) |
| ½ Brake @ 200 lbs. | 7 fps (2.13 mps) |
| ¾ Brake @ 200 lbs. | 7 fps (2.13 mps) |
| Turn rate, 180° Turn | 1.5 - 2 seconds |
| Turn rate, 360° Turn | 2 – 4 seconds |
| Forward Speed @ 200 lbs. | 42 fps (12.8 mps) |
| Forward Speed @ 300 lbs. | 55 fps (16.76 mps) |

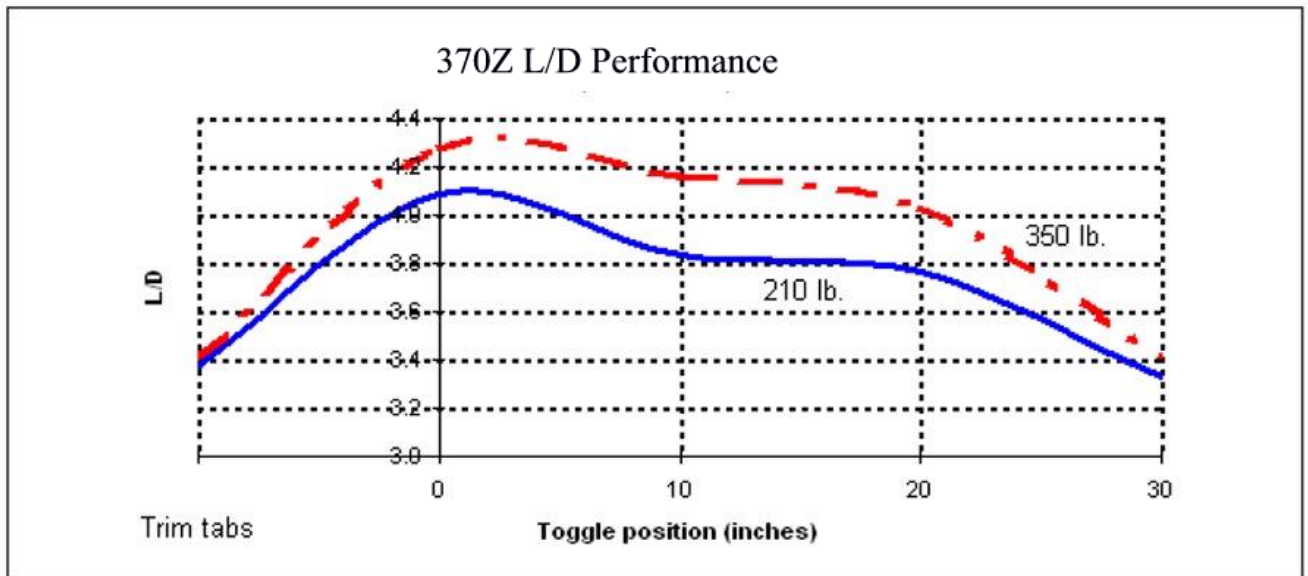


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TECHNICAL SPECIFICATIONS

370Z CANOPY Main/Reserve

| LIMITATIONS | |
|--|--------------------------|
| <u>Static Line</u> | |
| Maximum | 30,000 ft. (9144 m.) MSL |
| Minimum @ 135 KIAS | |
| Above Ground | 3,000 ft. (914 m.) AGL |
| Above Water | 2,000 ft. (609.6 m.) |
| Maximum airspeed for aircraft | 135 KIAS |
| Maximum all-up (total) weight | 450 lbs. (204 kg.) |
| Minimum all-up (total) weight | 220 lbs. (100 kg.) |
| <u>Free Fall</u> | |
| Maximum aircraft exit altitude with 6-to-10 second delay | 30,000 ft. (9144 m.) MSL |
| Minimum opening altitude | 3,500' (1067 m.) AGL |
| Maximum airspeed for aircraft | 150 KIAS |
| Maximum all-up (total) weight | 450 lbs. (204 kg.) |
| Minimum all-up (total) weight | 220 lbs. (100 kg.) |



RAIDER SYSTEM

TECHNICAL SPECIFICATIONS

Optional Hi-Glide Main Canopy

| | |
|---|---|
| Part Number | 830005 |
| Color | Silver unless otherwise specified |
| Type | Elliptical Ram Air |
| Cells | 17 |
| Fabric | |
| Top Surface & Ribs: | Zero Porosity Coated Nylon Ripstop |
| Bottom Surface: | Nylon Ripstop, 0-3 CFM, MIL-C-44378 |
| Span | 36.4 ft. (11.1 m.) |
| Chord | 12.8 ft. (3.9 m.) |
| Area | 380 ft ² (34.37 m ²) |
| Line Type | Suspension: Spectra Lower Control: Spectra |
| Aspect Ratio | 3.55:1 |
| Lift/Drag | Over 5.5:1 |
| LIMITATIONS | |
| Free Fall | |
| Maximum aircraft exit altitude with 6-to-10 second delay | 25,000 ft. (7620 m.) MSL |
| Minimum opening altitude | 3,500' (1067 m.) AGL |
| Maximum airspeed for aircraft | 150 KIAS |
| Maximum all-up (total) weight | 400 lbs. (281.4 kg.) |
| Minimum all-up (total) weight | 220 lbs. (100 kg.) |
| Not Static Line Deployable | |
| Pack Volume | 1500 cu. In. |

