
Butler Tactical Parachute Systems, LLC

***Butler Advanced Tactical
Parachutes
BAT-100N***



BAT-100N (11.28m/37.0-ft Nominal Diameter)

Product Name: *Butler Advanced Tactical (BAT) Main Parachute Canopy*

Intended Application: *Direct replacement for the T-10 troop main parachute canopy.*

Canopy Size: *1075 ft² (100 m²)*

Weight Capacity: ***Up to 600 lb.** (275 kg) Maximum Gross Weight for rate-of-descent of less than 20.7 ft/sec*

Canopy Weight: *18.5 lb. (Canopy, Slider, lines).*

Deployment Airspeed: ***60 to 170 KIAS;** 170 KTAS max recommended.*

Deployment Method: *Standard US Army T10 deployment bag or BTPS deployment bag.*

Inflation Control Device: ***BAT Sombrero Slider™**. The BAT Sombrero Slider™ (US Patent 5,890,678 & patents pending worldwide) is a speed sensitive, self modulating inflation control device that provides consistent, reliable openings without the need for an anti-inversion net. Further details on the slider are available from BPS on our web site (<http://www.butlerparachutes.com>)*

Opening Shock: ***Less than 10 g's** at nominal conditions. See graph of BAT-100N opening loads on page 3.*

Rate of Descent: ***15.3 ft/sec.** At Sea Level Standard Day Conditions at 332 lbs suspended weight.*

Turn Rate: *Approximately 6 seconds for 360 degree turn.*

Oscillation: *Less than 5 degrees under all normal conditions.*

Glide Ratio: ***Canopy does not glide.***

Opening Altitude: ***Less than 200 ft height loss** from exit at 332 lbs (12 sec to 275 ft below aircraft exit).*

Canopy Design: *Extended skirt tri-conical – various sizes. This proprietary design provides a high drag coefficient and excellent stability under all conditions.*

Canopy Construction: *28 gores; Bias construction; MIL-C-44378, T1 cloth; Color per customer specifications.*

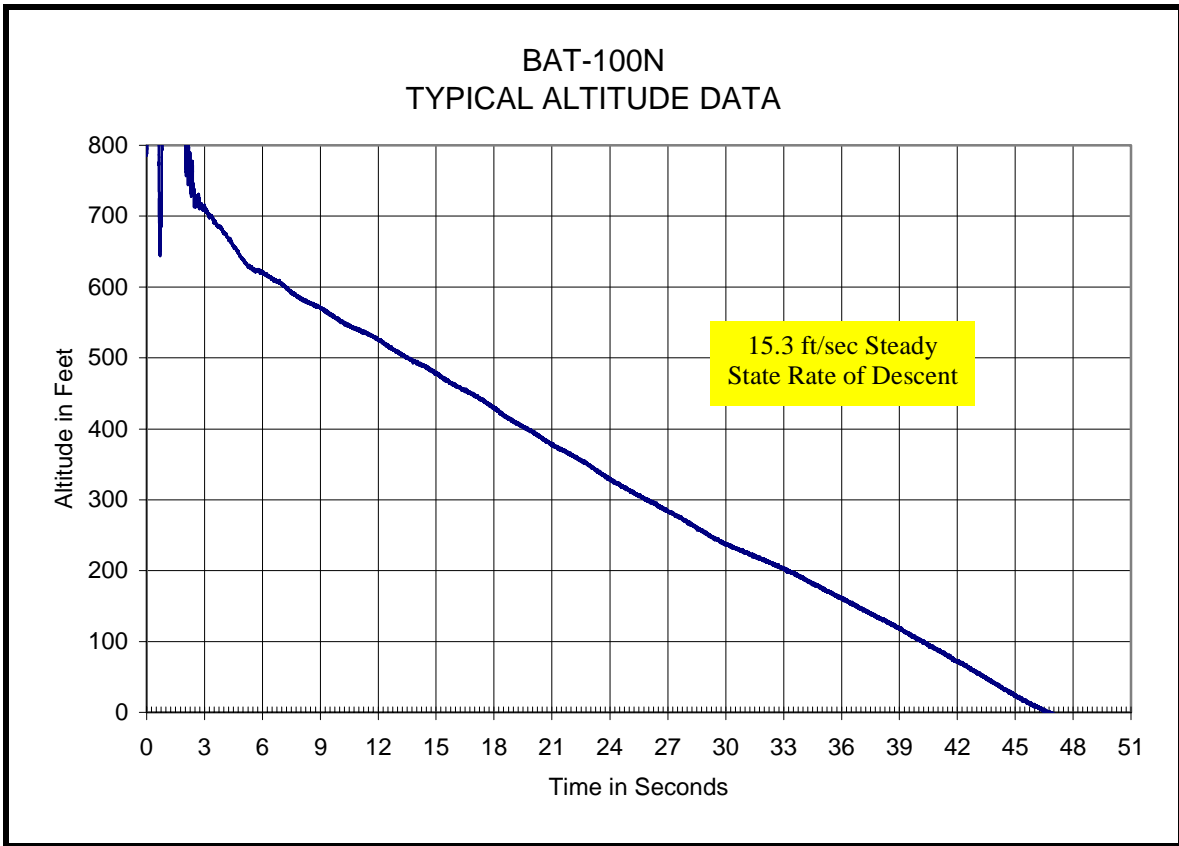
Steering Configuration: *4 Mesh panels with adequate vent area for excellent stability at all gross weights from 150 to 600 lb. Standard toggles inside of rear risers.*

Stability: *Less than 10 degrees oscillation under all normal maneuvers*

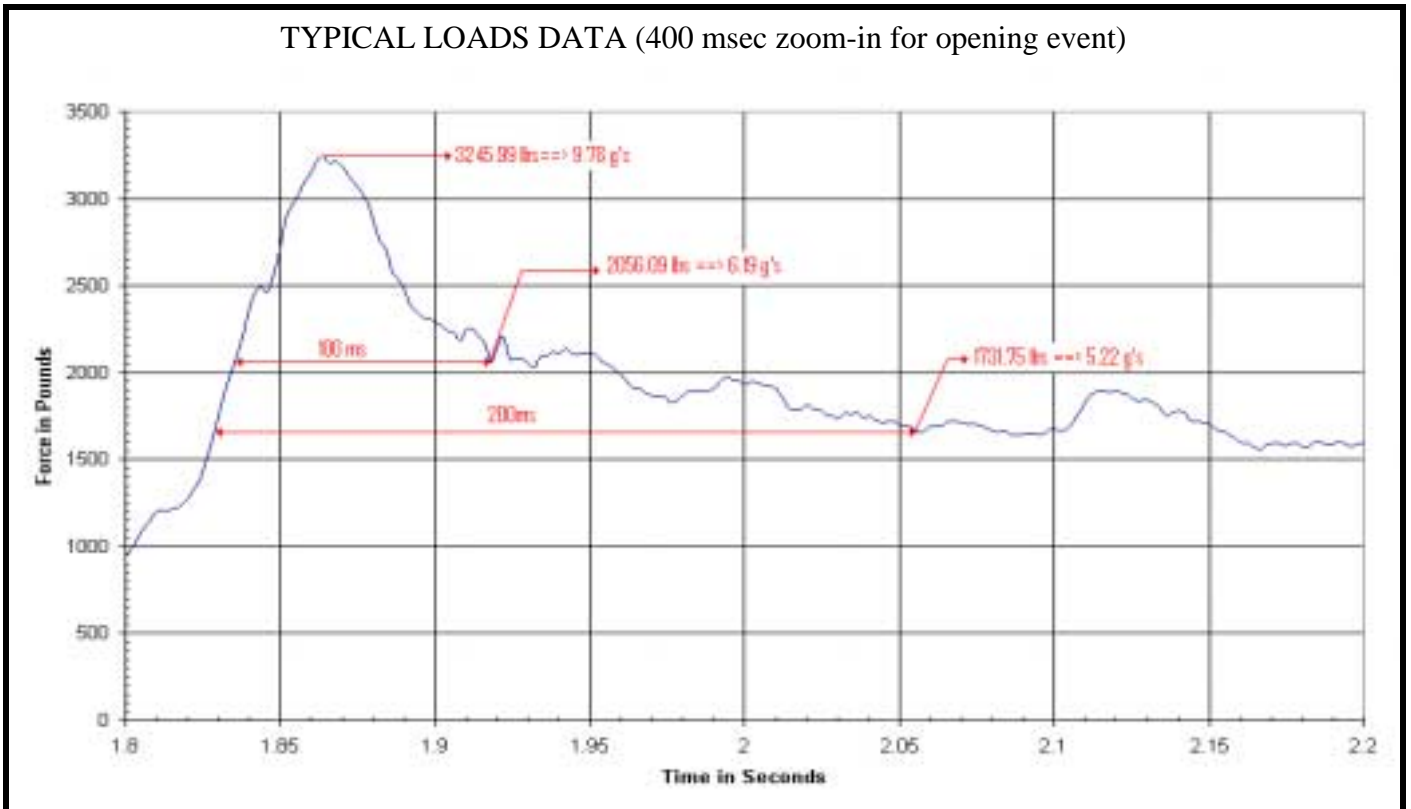
Suspension Lines: *600 lb. Braided Dacron; heat set and pre-stretched. Lines are looped on for ease of maintenance.*

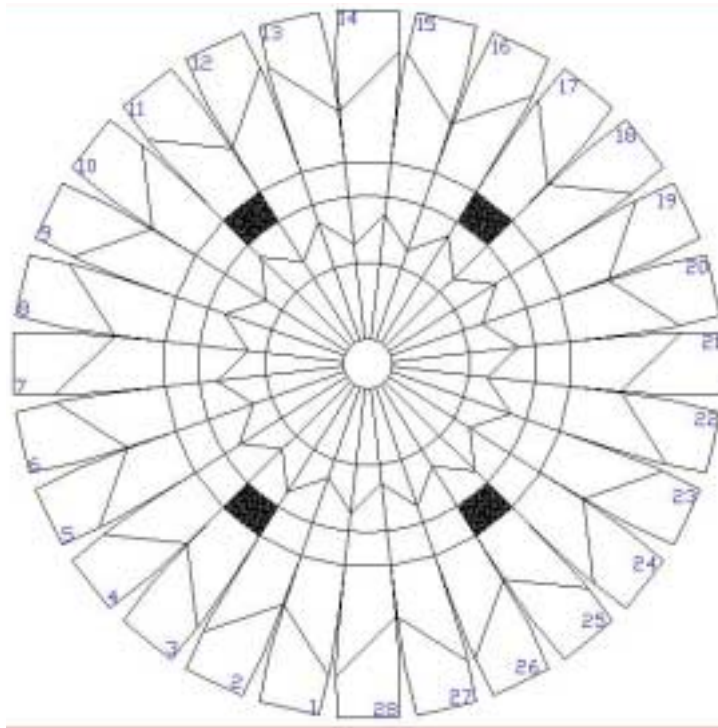
Packing Time: ***Under 15 minutes** with BTPS D-bag. 17 minutes with T-10 D-bag.*



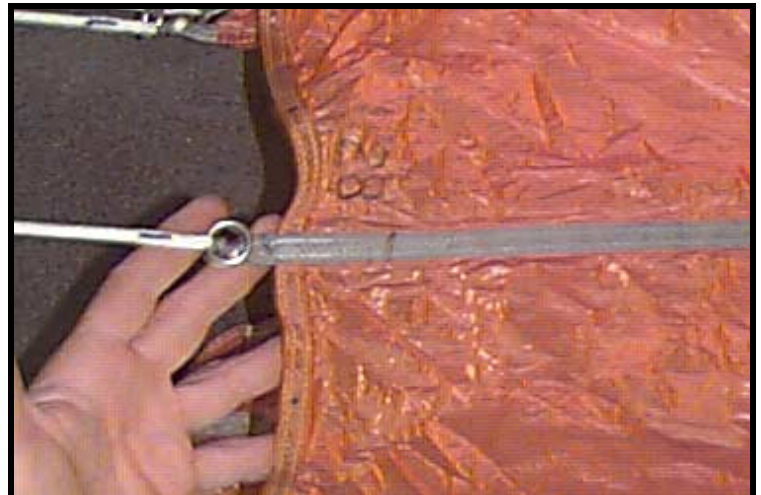


*REPRESENTATIVE TEST DATA
332 LBS AT 150 KIAS AIRCRAFT EXIT*





Planform of BAT-100N Main Canopy



For ease of replacement, suspension lines are looped through radial tapes rather than sewn (left photo). To eliminate the damage that often results from the floating radial tapes used on the T10 and MC1-1 series of canopies, the radial tapes on the BAT Series canopies are sewn directly to the underlying radial seam. The radial seam itself is made separately prior to sewing on the radial tape; thus each radial seam has a total of four rows of stitching. As a result, the radial seams are stronger and the seams are much easier to repair than the floating radial.

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