



SkyAngle Deployment FreeBag™

The ^b2 Rocketry Company

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Rocket Recovery Redefined...

Based on a tried and true military/sport "free bag" design, the SkyAngle Deployment FreeBag™ attaches directly to the nose cone with a 1" tubular nylon (4,000 psi) tether. Ingenious in its simplicity and ease-of use, this deployment sleeve completely envelops the parachute in flameproof Aramid cloth while insuring a reliable, untangled deployment! SkyAngle Deployment FreeBags are engineered with high quality materials, impeccable craftsmanship, and are very affordably priced. They are available in four sizes, three of which are tailored to fit the the SkyAngle "Cert-3" main chutes. (They work great with other brands as well.)

Size	Pouch Dimensions	Fits Airframe	SRP*
Medium	8" w x 10" h	> 3"	\$25.00
Large	9" w x 11" h	> 4"	\$30.00
XLarge	9" w x 14" h	> 5"	\$35.00
XXLarge	10" w x 17" h	> 6"	\$40.00

**Suggested Retail Price--prices are set by your dealer. Measurements are nominal.*

Large, Xlarge, and XXLarge sizes will fit SkyAngle CERT-3 chutes of the same size designation.

How to Pack & Rig your SkyAngle FreeBag:

The FreeBag is designed to be attached directly to your nose cone and deployed separately. A separate chute in addition to the main (and a drogue, if used) will be necessary for the safe recovery of your nose and bag assembly independently of your main airframe. Deployment in this manner will virtually insure main chute inflation without entanglement. It also reduces main airframe recovery weight, allowing use of a smaller chute that normal. [NOTE: While the nose/bag combo can be secured to the airframe via shock cord, doing so may increase the likelihood of entanglement and/or possible failure to deploy the main chute. We do include a loop sewn inside the bag, however, for custom applications of this nature.]



Step 1

Lay out main chute on ground and fold lengthwise in a zig-zag fashion until a 7"-9" width remains.



Step 2

Starting at the apex, fold the chute in a zig-zag fashion (in approx. 9"-16" sections) to the tip of the chute skirt.

(over)



Step 3

Slide the folded chute carefully into the bag, apex end first, leaving the suspension lines exposed. (NOTE: your bag color may differ from picture.)



Step 4

Untangle lines, gather and fold approx 15" in length from the end closest to the bag. Form a loop with this section while allowing an additional 6" or so from the point lines attach to the chute.



Step 5

Thread folded line section into bag strap loops starting closest to bag opening. (A small diameter dowel can help facilitate feeding lines through the loops.) Leave about 1" of line loop on each side of bag.



Step 6

Continue folding and feeding loops of line in alternating sections toward the top of bag. Fold bag flap over lines.



Step 7 & 8

Attach free end of suspension lines to shock cord assembly. (Be certain to anchor other end of shock cord to the airframe!) Add chute protector and / or wadding to airframe to protect exposes lines and shock cord. Fold shock cord in a zig-zag fashion and place accordingly. Slide freebag package into recovery compartment on top of shock cord. Attach freebag tether to the nose cone unit with a quick link. Attach a small chute (sized appropriately for the weight of the cone and empty bag assembly) directly to the nose as well. Pack chute and tether on top of bag and fit nose to airframe. That's it! Have fun and fly safely!

Note: There can be an additional 1-2 second delay from time of ejection to main canopy inflation when using a deployment bag. Please allow for this in your recovery calculations. Enlist the help of a fellow crew member to track the separate nose recovery. Also, it is advised that you let the RSO/LCO know that separate deployment of the nose assembly is an intentional aspect of your recovery profile.

The b2 Rocketry Company has exercised care in the design and construction of its products and inspects every item prior to shipment. However, since we can not control the use of our products once sold, the purchaser assumes all risks and liabilities associated with their use. User assumes all liabilities and risks associated with the use of the information contained herein. Use of this product constitutes buyer agreement. The b2 Rocketry Company encourages membership in Tripoli and NAR and recommends flying in events sanctioned by these organizations. Always fly in accordance with their Safety Codes. Prices, specifications, materials, and colors are subject to change without notice. rev. 9/02

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