

UNINSURED UNITED PARACHUTE TECHNOLOGIES, LLC.

Drogue Kill Line Calibration

How to check if your Drogue Kill Line is the correct length:

For this system to work correctly, a precise relationship between the length of the drogue bridle and the length of the kill line must be maintained.



To check this relationship:
Anchor the rapid link at the deployment bag end of the drogue bridle.

Both the drogue bridle and kill line should be connected to this link.

Extend the drogue bridle fully.



Note:

This applies to both Kevlar and black Type 12 drogue bridles.

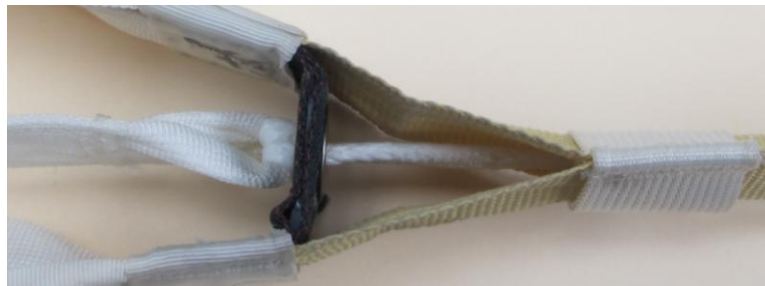
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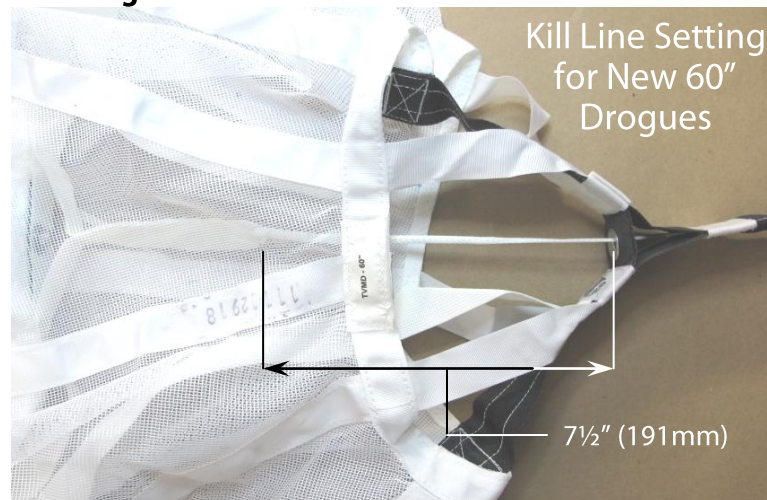
54" Drogues

Apply about 10 lbs. of tension against the Kevlar bridle and with the other hand apply the same tension on the kill line by pulling on the kill line attachment bridle or the drogue handle. The larks head knot at the bottom of the kill line attachment bridle should be 1½" (39mm) above the kill line guide grommet on New Drogues (factory setting).

As drogues become more used, this setting may require lengthening to shorten the trap door affect.



If this distance is more than 1" (26mm) less, the larks head knot will impact the guide grommet at high speed, quickly causing damage to both. However, in this instance, deployment, while slightly slower, will still happen more or less normally.

60" Drogues

Using the same technique as above applying about 10 lbs. of tension, the larks head knot at the bottom of the kill line attachment bridle should be 7½" (191mm) above the kill line guide grommet on New Drogues (factory setting).

As drogues become more used, this setting may require lengthening to shorten the trap door affect.

Lengthening the Drogue Kill Line



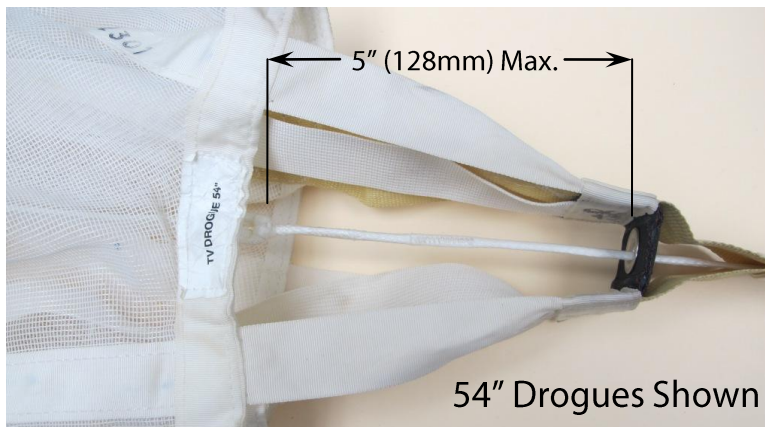
Drogue collapse is calibrated for average weight and fall rates, if you feel the drogue is collapsing too far with longer than normal "trap door" you may lengthen it a little bit by untying the knot and letting out required length of finger trap. Ideal trap door time is $\frac{3}{4}$ sec. with a minimum of $\frac{1}{2}$ sec.



You may also attach a Slink using a larks head knot as shown to the left to lengthen and reduce the amount of collapse.



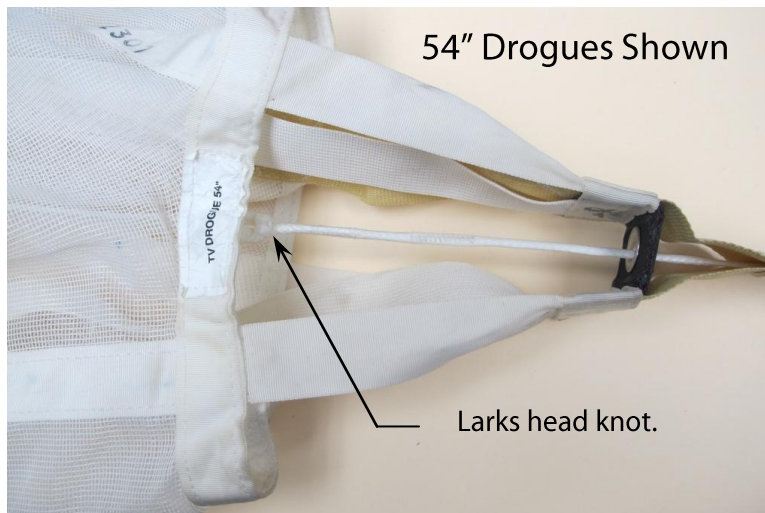
The link is then attached to the Slink, bridle and bag.



5" (128mm) is the maximum length the kill line may be let out to.

54" Drogues Shown

Shortening the Drogue Kill Line



If this distance is more than 2" (51mm) greater, the drogue may not fully collapse, yielding a higher snatch force, increased chance of malfunction due to line dump, and increased chance of canopy damage.



If you notice a kill line that is too long, a simple overhand knot, tied within the finger-locked section of the kill line, at the deployment bag end, will effectively shorten it almost 2" (51mm), and bring your drogue collapse system back into trim.