



Deckchute S/Y

NEWS



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## Deckchute is the product of Downwind ApS

**A company dedicated to inventing and producing tomorrows dropsystems for free flying sails of any size.**

Deckchute allows you to run a kite of any size down by a dropline using a fast and powerful winch. The kite is instantly contained and protected from the wind and the sea in the deck mounted system. Rehoisting out of the Deckchute at will, is another big advantage.

The days of grasping free flying, snuffed or furled kite canvas on the foredeck is over.

Downwind ApS offers you the "full package". We build your Deckchute and your droplines, advice how to refit your yacht and your sails for Deckchute sailing, introduce you to the specialized mechanisms and procedures required to do safe and fast 2 patch Deckchute string drops during training sessions at sea.

Best regards

Downwind ApS

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## Length/position of Deckchute

Deckchute length for 100' performance yacht or J-Class is 13-15m.

The front of the system is the Deckchute ring.

It sits on the foredeck where you would have a hatch to drop the kite in.

That is somewhere on the mid 1/3 of the foredeck, and rather closer to the mast than closer to the forestay.

The Deckchute ring is anchored to two strong pad-eyes sitting side by side 20-25 cm each side of the midline, or to a single padeye preferably sitting in the midline.

The ring sits tight on top of its pad eyes - it must not lift in the drop!

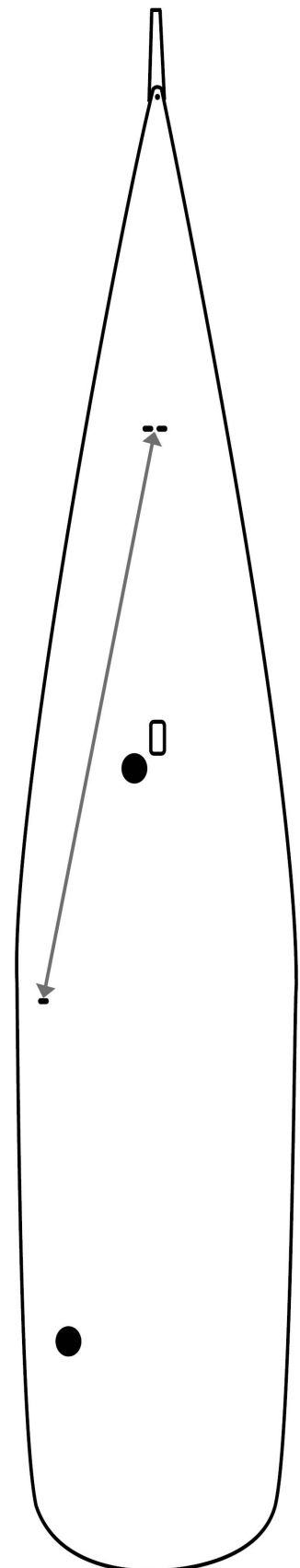
Lash it down, use a "tight" dogbone or some other means.

Deckchute (arrow) is sitting stretched between the padeyes on the foredeck and the padeye aft.

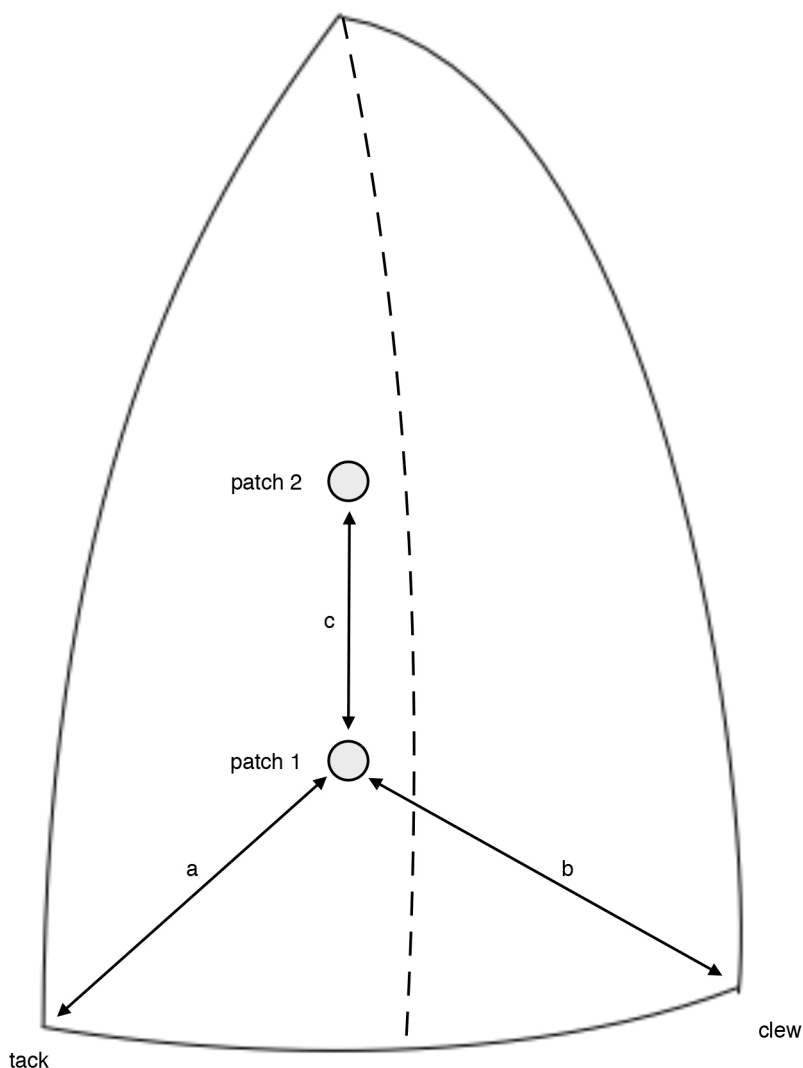
The aft end of Deckchute is lashed to a padeye or some deck hardware 1/2-1 meter away to stretch Deckchute and keep it in place between its pad-eyes.

10-20 cm from the aft end of Deckchute, a 20 mm padye or a loopring is guiding the dropline and activating the dropline release mechanism.

The Dropline is guided to a fast and powerful winch by the mast (preferred) or to a winch aft.



## Patch position and kites



### Lengths:

- a:** Tack to patch 1
- b:** Clew to patch 1
- c:** Patch 1 to patch 2

### Suggested lengths for gennaker:

- a:** Deckchute length + 1 meter
- b:** Deckchute length + 1.5-2.0 meter
- c:** Deckchute length - 1 meter

### Suggested lengths for spinnaker:

- a, b:** Deckchute length + 1 meter
- c:** Deckchute length - 1 meter

- Corners stays outside Deckchute.
- Patch 2 is just inside Deckchute ring when engaged.
- Patch 1 is flying vertically or slightly forward of Deckchute ring when running.

The two patches have straps on both sides of the sail and a ring in the patch just under the straps. The dropline is passing the ring and is spliced to the straps on the opposite side of the sail. Gennakers tack corner have a Velcro pocket for the dropline during hoist and when running.

The lower patch is sitting low in the sail.

The important thing in the drop is to get the foot of the sail into Deckchute before it hits in the water. Length of the system and patch position ensures that the 3 corners of the sail stays out of the ring in the drop.