

Dart 18 Gennaker Kit

Rigging instructions



The original Dart 18 gennaker kit was originally designed by Performance Sailcraft to provide an extra downwind sailing dimension to fun Dart sailing. Since then, it has been updated to follow the times and equipment available.

Other than drilling 5 small holes you will not need to make any alterations to your standard Dart18 equipment, this means your Dart 18 can be easily returned to its original form ready for class racing.

To fit your Gennaker identify the various supplied items and follow the instructions,

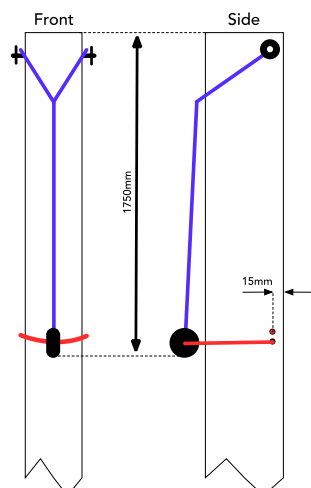
Rigging the upper mast block

Start by turning the boat on to its side to easily access the top of the rig, alternatively you can drop the mast. Replace the clevis pin and washers holding the upper roller in place and fit the halyard strop at the same time.



Measure 1750mm down from the mast head, this should be where the halyard block lays. At this level you will need to drill 2 x 5mm holes into the mast track on either side of the section. These need to be 15mm from the trailing edge of the luff groove. This is where the halyard block rail line will attach.

*Be very careful not to drill into the mast section, this will compromise the seal.



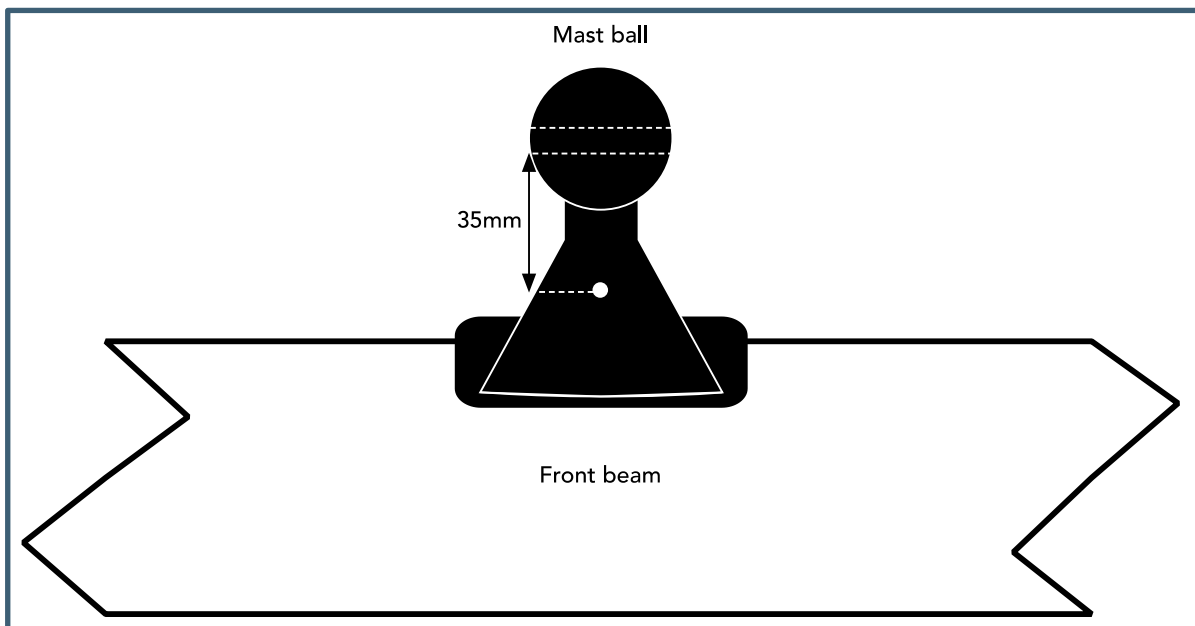
After drilling the holes, use a fid to help guide the rail line in the lower hole and then back out of the upper on both sides (be sure to pass it through the halyard block as well). Tie a stopper knot where the line exits the upper hole to secure the rail line, ensure there is enough slack for the block to sit clear of the mast as show in the picture below.

Pass the gennaker halyard through the block before putting the boat/mast back upright.



Attaching Gennaker Pole

Before fitting the gennaker pole you need to drill a 6.5mm hole into the mast ball for the pole to locate into. Drill into the casting 35mm down from the mast pin hole at the approximate angle the pole will sit at (a straight line cutting just below the windwand). Drill 25mm into the casting to ensure the pole fitting can fully insert into the hole.



Arrange the pole into place and use the mid-point tie to fix it so that it hangs just below the wind wand fitting, as seen here.

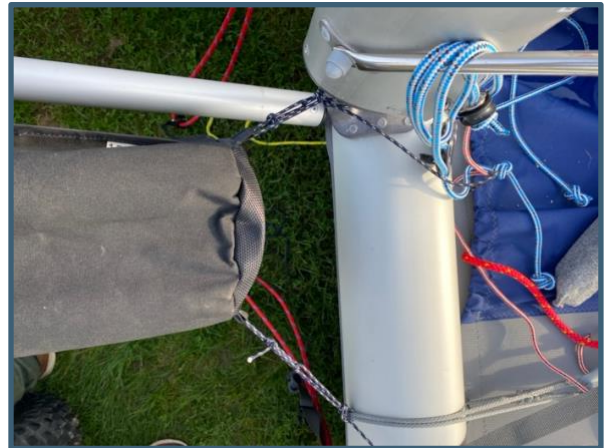
*Tie the lashing is such a way it does not try to twist or bend the bridal wires out of shape.





Use the pre-made pole bridal wires to then equally tension the pole to create a small amount of prebend. Use the main bridal eye and the purchase loop to adjust so that the pole remains on the centre line of the boat.

Once the pole is secure, un-roll and attach the chute with the supplied ties and Velcro straps.



Attaching Trampoline Kit

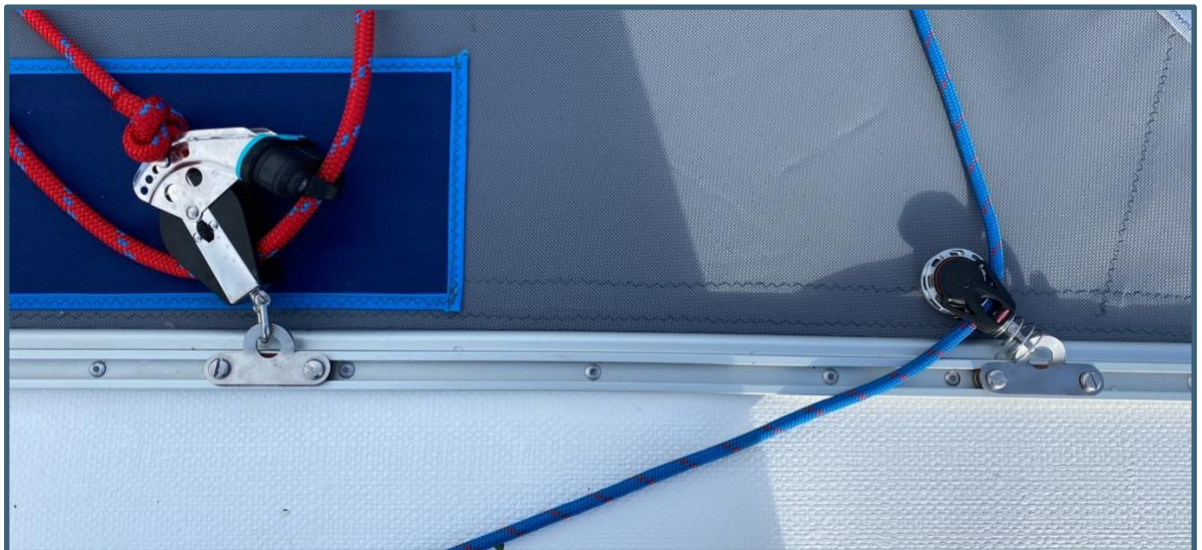
The Halyard cleat is attached by inserting it along the trampoline track on the starboard side of the boat. Use the lashing to secure it and then re-tie the toe strap lashing over the top to lock the cleat in place.



Insert the knot of the provided retrieval bungee (metal ring at other end) into the rear beam track, between the two toe straps. On older boats you may need to remove a hull, but on later boats there is a cut out in the beam slot to make this a simple operation.

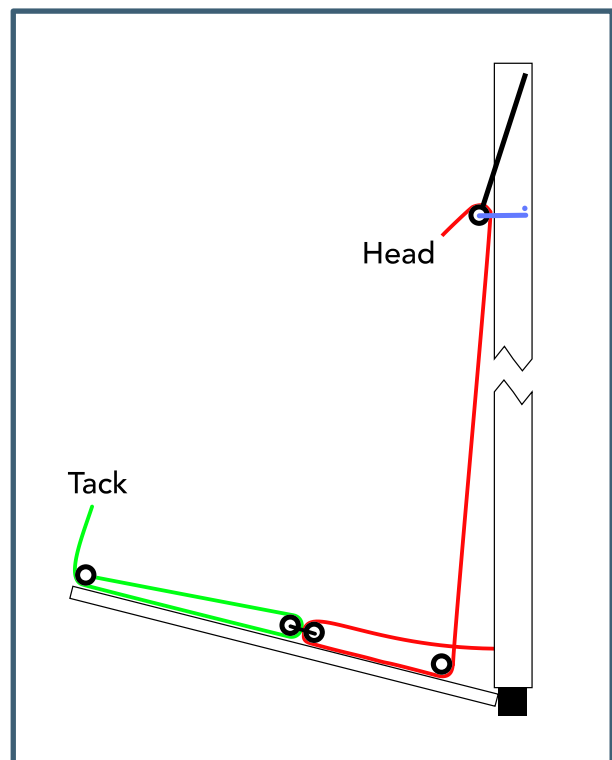


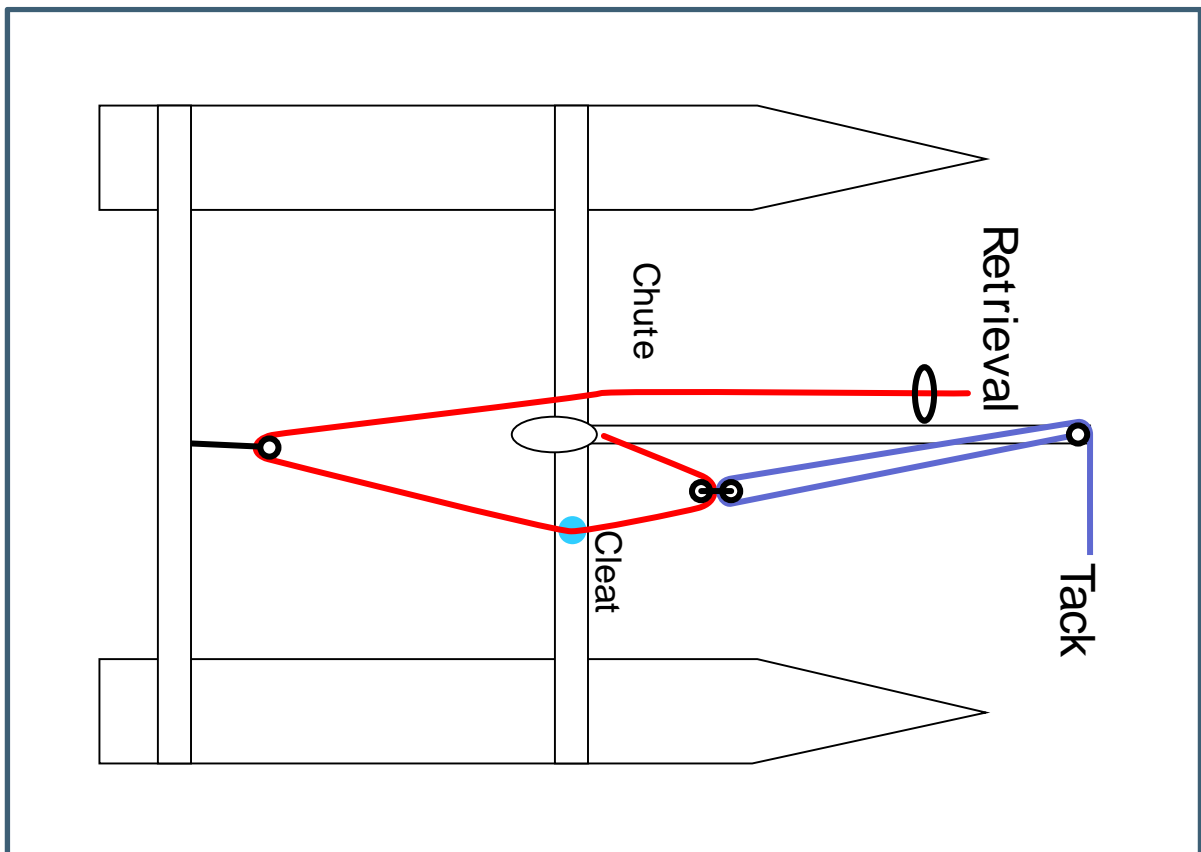
Insert the additional jib track sliders with mounted gennaker blocks, depending on the track end stop you have, you may need to remove the original jib slider first. The gennaker block slider should sit behind the jib cleat slider.



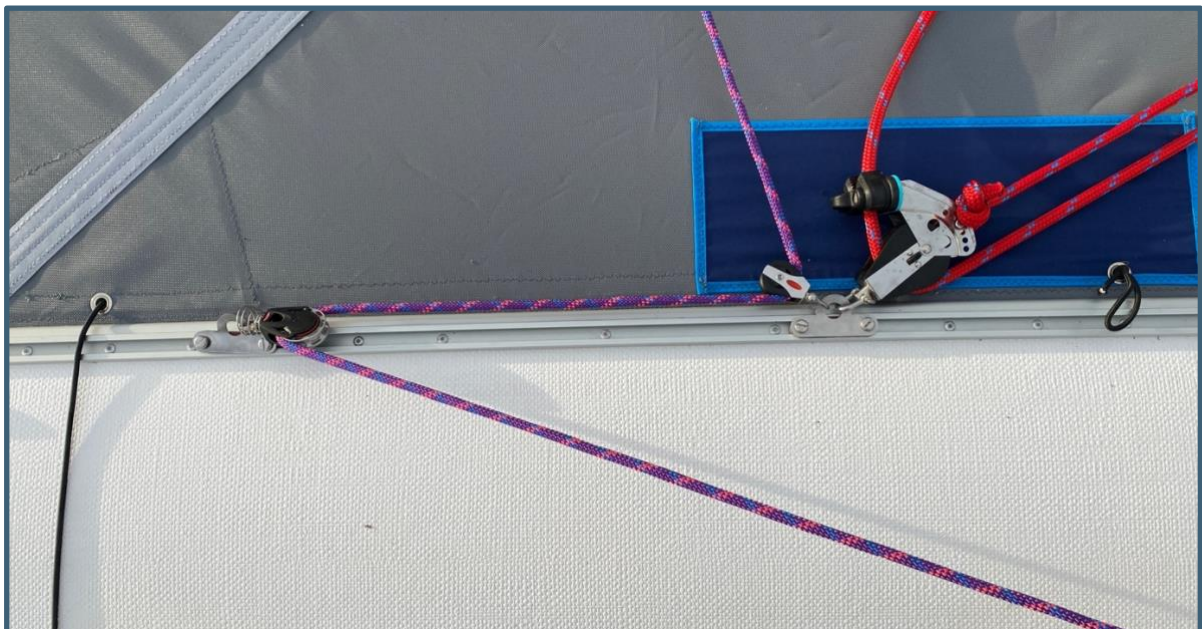
Rigging gennaker system

The halyard that is running through the upper halyard block (we threaded this when rigging the upper mast). Ensure there are no twists, the lead out of the front of the block will attach to the head of the gennaker sail. The lead out the back of the block and closest to the mast track down and is fed through the block on the inboard end of the pole, forward to the sister blocks on the tack line, and then back to the cleat mounted on the beam. From here the lead goes back through the retrieval elastic ring and then is fed back up through the gennaker chute on to the retrieval patches.





Finally the continuous sheeting system. Starting from the clew of the sail tie one end of the sheet off, then with the other end lead it back to the aft ratchet block on the jib track (be sure to feed it through the correct way). The sheet then goes forward to an additional block (supplied) attached to the jib cleat slider. Continue the lead to the other side of the boat and mirror the arrangement before also attaching the end of the sheet to the gennaker clew.



Beware

Sailing with a gennaker can demand fast reactions and specialist downwind sailing techniques. To prevent personal injury or damage to equipment seek and advise of training before sailing in challenging conditions.

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