More Rigging Tips

Whether you race or simply want top cruising performance from your Tanzer 16, there are several pieces of equipment which will improve your boat's performance.

The headsail of the Tanzer 16 can greatly determine windward performance. Therefore, a genoa can make a very significant improvement in the boat's handling characteristics and acceleration.

When sailing the Tanzer 16 in heavy air, the jib or genoa can be difficult to trim. The job of trimming the jib can be greatly eased with hexarachet assists on the jib sheets. These can be mounted behind the splashrail on each side of the mast or just behind the jib track as shown in the drawing.

Also, in heavy air you will need to hike out as much as possible. This can be enhanced by adding hiking straps for both the skipper and crew. Hiking straps can free up hands for trimming and steering and also help you use your weight more efficiently.

Mainsail shape can be controlled with a downhaul and an outhaul. This allows you to adjust for optimum mainsail trim on all points of sail. They can be invaluable for depowering the sail quickly in heavy air.

For the utmost in downwind performance, we strongly recommend a spinnaker. One method of rigging is described in the drawing. The topping lift for the pole is actually often rope, rather than shockchord, and a downhaul is only needed in heavy air. The halyard and topping lift can be cleated under the thwart so the skipper can handle the lines while the crew sets the sail. The sheets may be run above, as shown, or below deck (which decreases the gear the crew sits on). A launcher can also speed up, and simplify, spinnaker sets and take-downs.

Suggested Running Rigging Line

Mainsheet	7/16" dacron	40'
Jibsheets	3/8" dacron	40'
Spinnaker halyard (continuous)	3/16" dacron	70'
Spinnaker guy/sheet (each)	3/16" dacron	40'
Spinnaker topping lift	3/16" dacron	25'

Spinnaker Launcher

Spinnaker launchers have been installed in a number of Tanzer 16s. A spinnaker launcher consists of a molded fiberglass chute and a cloth tube. The increased ease to set and douse the relatively large Tanzer 16 spinnaker makes a spinnaker launcher a very desirable feature for racing skippers. The following description is intended for class members who may not have the opportunity to observe installed spinnaker launchers in boats and who may want to attempt their own installation.

It is advisable to obtain a launching chute from the manufacturer. Until the new builder is in production of boat parts, the best source for Tanzer 16 parts of all types (including launching chutes) is: Eric Spenser, Canadian Yachting Services, Box 1045, Pt. Claire, Que. - H9S 4H9 (514-697-6952).

To install the chute, position it on the port side of the deck as far forward as the top side and center support below deck will allow. We suggest you make a cardboard template from the chute. Position the template on the deck and use a light from below to verify its location. Remember-- measure twice, cut once! After the hole is cut, sand down the deck surface at the lip around the hole and wipe with acetone to assure good adhesion. Mask the surrounding area before sanding to prevent damage to the rest of the deck. If you are attempting this installation as a winter project, take heed that adequate temperature is required for the epoxy resin to set up, so you should consider having heat lamps ready if maintaining temperature is a problem.

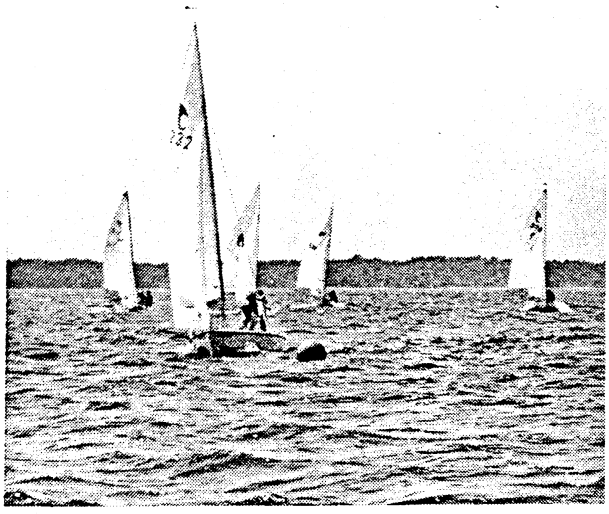
The state-of-the-art material currently used to glue the chute to the deck is PC-7 brand epoxy resin. It mixes to a heavy paste that has tremendous holding power. It is wise to drill a few small holes in the lip of the deck to let the epoxy resin squeeze through for extra holding power.

Since the lip may not lie flat all the way around, be ready to apply weight via 2x4's weighed down with bricks or concrete blocks. After the resin is completely set, scrape off excess resin and fair the edges to the deck.

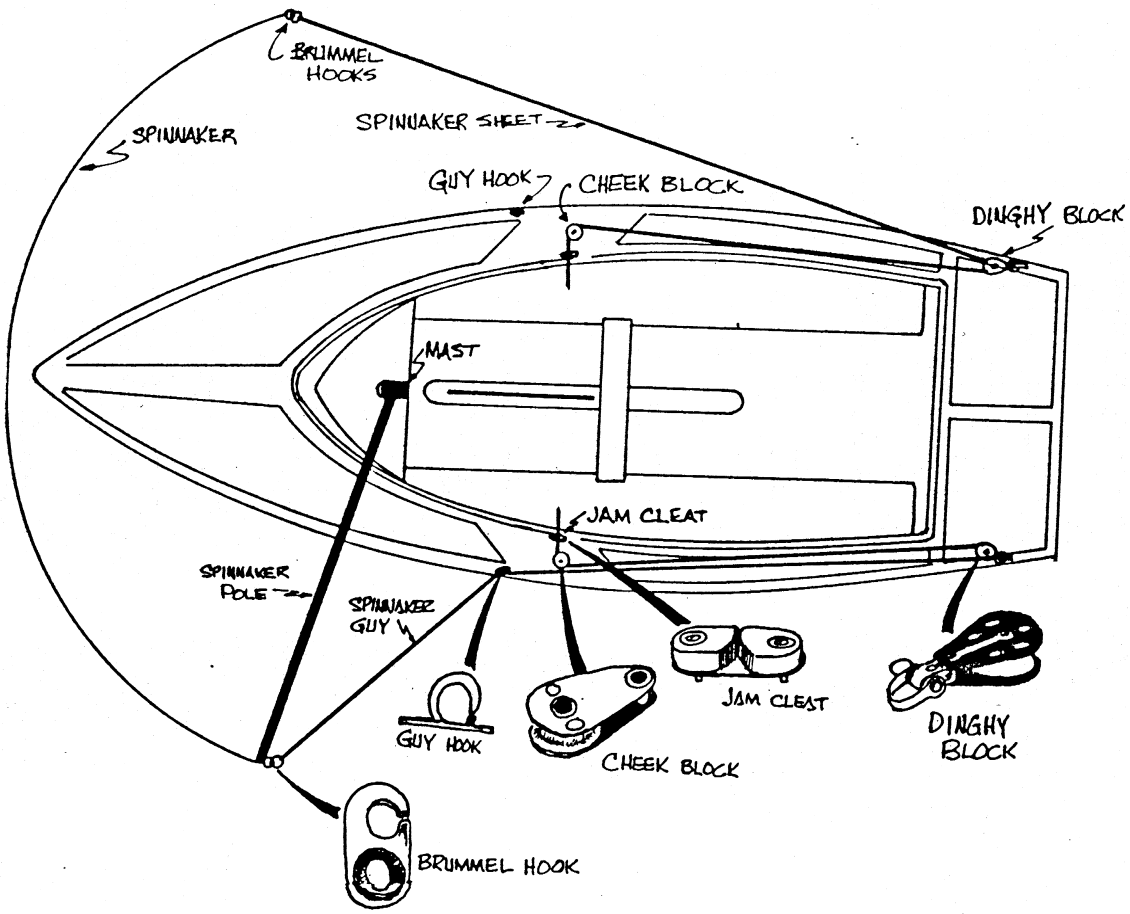
The cloth tube is tricky to make and is described in the diagram. Attach it to the chute with three stainless steel strap/screw pipe clamps joined together.

The spinnaker should have a retrieval patch mounted on its downwind side.

The most common Tanzer rig uses a continuous halyard and retrieval line. When you pull the sail up, the retrieval line automatically pays out, and when dousing the halyard is automatically pulled in. There are many options for cleating arrangements. In fact, no two Tanzers are rigged exactly alike. Generally, the retrieval line runs aft of the centerboard trunk from the cloth tube on the port side, turns forward to the starboard side, and is cleated either on the centerboard trunk or under the thwart before turning up a block at the base of the mast as it becomes the spinnaker halyard. Decisions pertaining to the exact layout of the spinnaker rigging are subject to the specific inclinations for handling, comfort and convenience of each individual skipper and crew. Good luck!

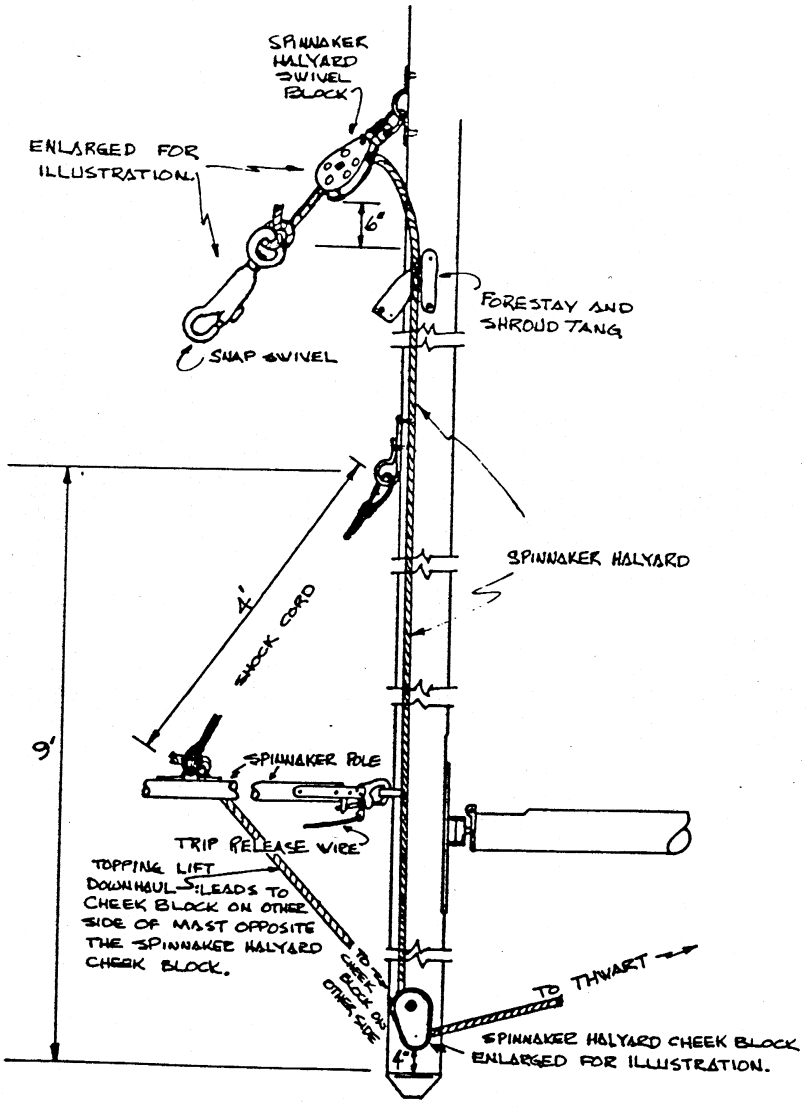


SPINNAKER RIGGING



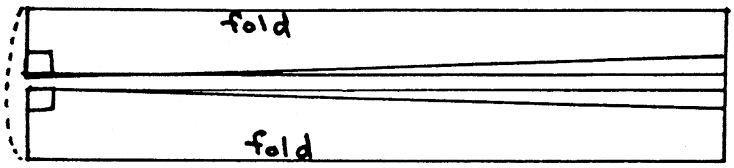
SPINNAKER HALYARD AND TOPPING LIFT

fig. 1

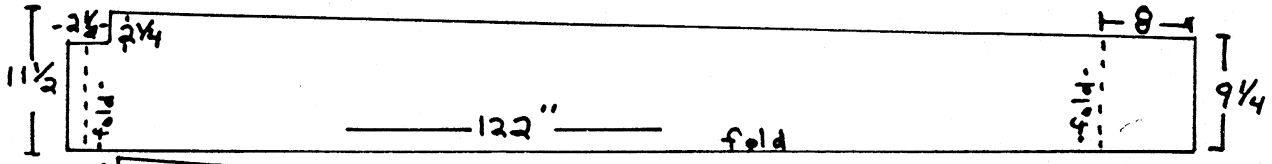


Punky's Launcher Bag Formula

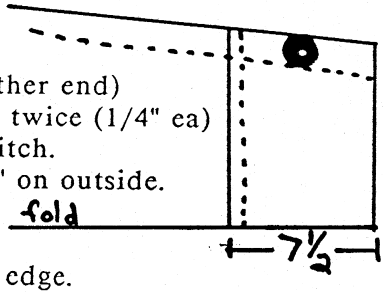
- 3 1/2 yards of 45" material
- 3/4 yard of cording
- 13 1/4" x 7" of pocket stiffening
- chisel point/jeans sewing machine needle



You can cut two bags from one piece of cloth,
Select- slick side of cloth to be inside

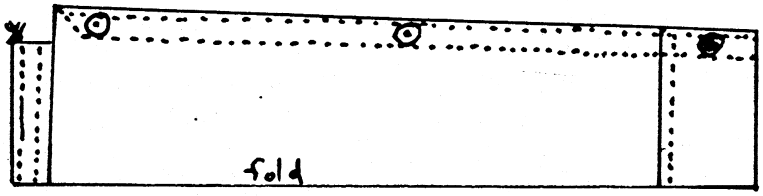


Chute attachment (wider notched end)
Turn end 1 1/4" on outside
Place cord in fold and stitch close to fold with zipper foot.
Turn raw edge 1/4" and stitch to bag.



Pocket end (other end)
Fold end over twice (1/4" ea) to inside, stitch.
Fold up 7 1/2" on outside.

Stitch length of chute, with outside facing in, 1" from edge.
Turn bag right side out.
Topstitch edge, then again 1 1/4" in from edge to form attachment.



Place grommets on attachment.
Place stiffener in pocket.

Attach to chute flange with hose clamps. (Cording prevents pullout).