



## ROLL-X FLOPPER STOPPER

For sail or power boats up to 55 feet, Forespar's new flopper-stopper, Roll-X will help control the rock and roll of your boat while at anchor. By using this stabilizer, you can greatly dampen the roll of power and sailboats making at anchor activities on board more comfortable.

The Roll-X is held outboard by using a specially designed flopper-stopper pole to hang the all stainless steel stabilizer in the water, port or starboard (or both). The pole(s) need to be properly rigged to support the loads associated with these devices. These removable fixed length poles come in two kit sizes; 3" x 11' and 3-1/2" x 14' and include a stainless steel outboard fitting to hang the Roll-X stabilizer, attach the topping lift and the fore and aft control stays.

Proper rigging is essential to hold the poles in place and support the stabilizer. The topping lift is critically important as this will need to handle all the lifting loads of the Roll-X. You should have a strong attachment point a minimum of eight (8) feet higher than the outboard end height of the pole. Higher is better as the load on the topping lift will decrease with a greater angle (minimum 45°). The fore and aft stays need to hold the pole from swinging and will not see but a fraction of the load, but must be set tight to the pole does not wobble fore and aft. These stays can be tied to a bow and stern cleat or any other suitable location on or near the rail. Just be sure you do not introduce chafe to these lines by forcing them to rub on shrouds, stanchions, or other obstructions. If you require an upper mount for the topping lift, Forespar® makes an optional stainless fitting (#352003) that is easily mounted to almost any surface.

The poles need to be fairly long to achieve the lever arm effect that stops the boats roll. Also, the stabilizer must have soom room to "skate" in the water so it is essential that they be held out and away from the hull. Forespar's Roll-X stabilizers have proprietary anti-skate winglets that reduce this tendency, but the leverage (pole length) is still needed for proper support and performance. The Roll-X stabilizer should be submerged deep enough (4-6 feet below the surface minimum) so that it does not come out of the water on the "up" roll.

### CAUTION

The Roll-X stabilizers are not designed to be used while the boat is under way in any circumstances.

**Forespar®**

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