



STOP THE ROLL

No:	Size:
2	-420mm Dia
3	-520mm Dia
4	-680mm Dia
5	-820mm Dia



OCEAN TORQUE INSTALLATION GUIDE

Step by step guide to installing & using ocean torque boat stabilisers

**THE ORIGINAL & THE BEST
BOAT STABILISERS
SINCE 1992**

OCEAN TORQUE

INSTALLATION GUIDE

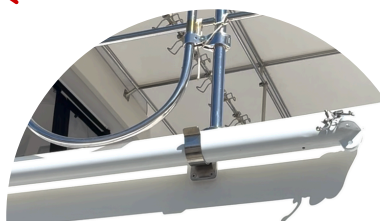
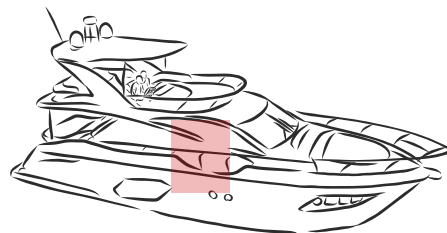
Congratulations on purchasing the most efficient stabiliser system in Australia today. Below is a guide to install your stabiliser system with the booms in the **“horizontal position”**.

Note for Vertical Boom Positions

If your system has vertical booms, no boom cup will be required, this will be discussed before receiving your order.

Find strongest area in mid section of boat and install bracket for booms, see guide below for example of mid section.

- Booms are required for to deploy system.
- Booms not required sails boats, can use existing fairlead and jib.



Installation for Booms & Brackets

The first step is finding the point of your vessel with the most beam (the widest point) and the best access for deploying the flopper stoppers. Keep in mind your cleat positions for the forward, aft, suspension and lazy line positions.

The boom bracket should be up against the cabin or mounting surface and mark the first hole for pre drilling (6mm drill bit) Screw in one 8mm countersunk screw supplied with the bracket so you can mark the rest of the holes and get your bracket level (the tip to drilling gelcoat without cracking is to drill in reverse first)

Once you are happy with the bracket positions and have marked the rest of the holes for pre drilling remove the screw holding the bracket and drill the rest of the holes with the 6mm drill bit ready for the screws, Add sikaflex 291 to all screw holes and around the bracket and screw or bolt into place then clean up your sikaflex with a rag to a nice bead. See reference image 1.

We supply 316 marine grade countersunk self tapping screw that we have manufactured in France for this stage.... but if you choose to use a bolt through system or need to add a backing plate its not too different just use a bigger drill bit, We supply a PH4 driver bit that fits the screws heads

Image 1



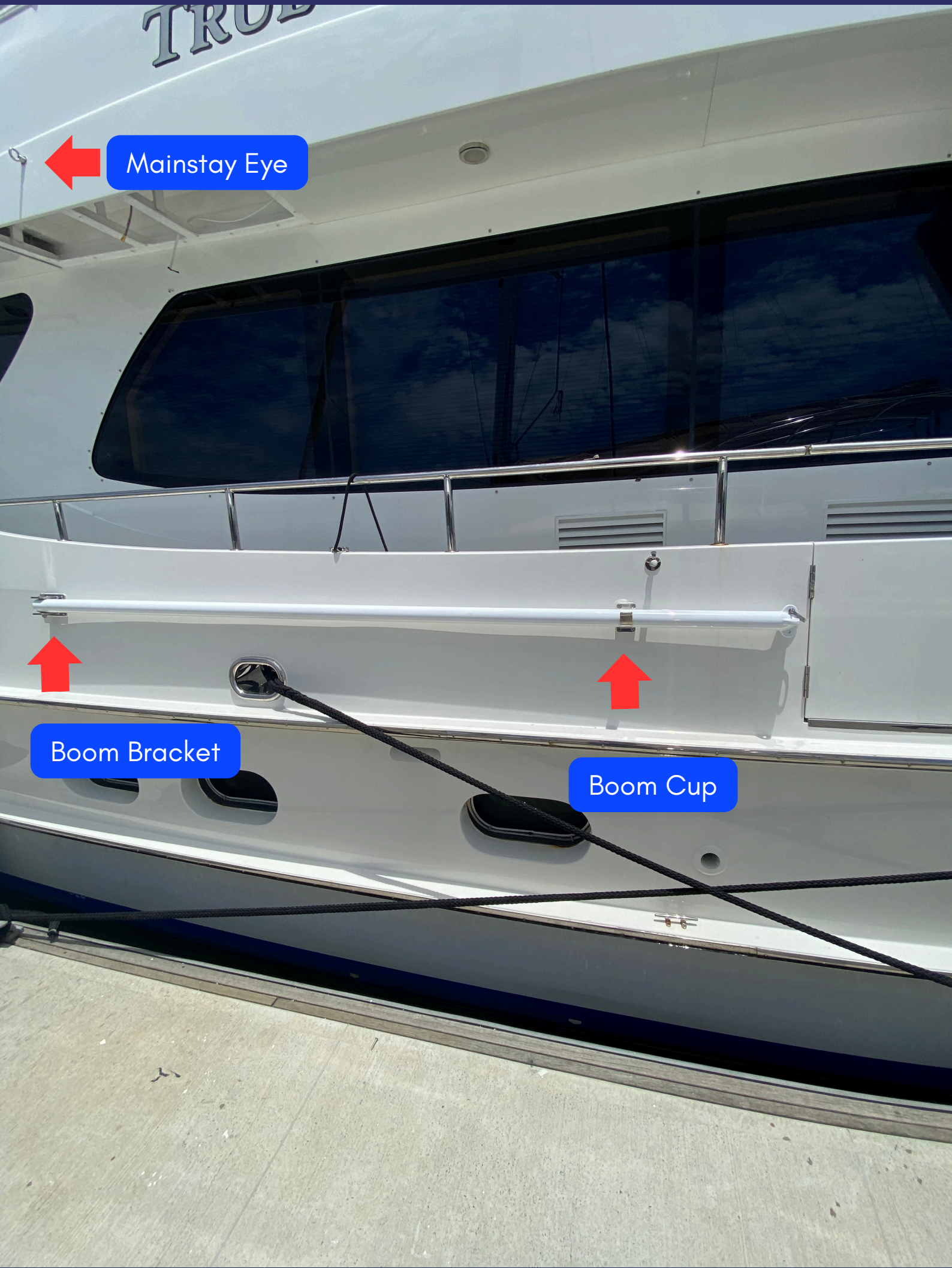
The next step of the installation you need to fit the boom to the bracket by fitting the washer on the inside and outside of the bracket (See image no 2) by feeding the bolt supplied through the bracket and the booms and fitting the lock nut.

Then you will need to fold the boom alongside the surface you are mounting it on and find the position for the boom cup so it fits in a level line with the boom and sits nicely in the cup, then mark the holes for pre drilling with a 5mm drill bit (the screws for fitting the cup are 14 gauge). Add sikaflex 291 to all screw holes and around the bracket and screw or bolt into place then clean up your sikaflex with a rag to a nice bead

Image 2



Image 3



Mainstay Eye

Boom Bracket

Boom Cup

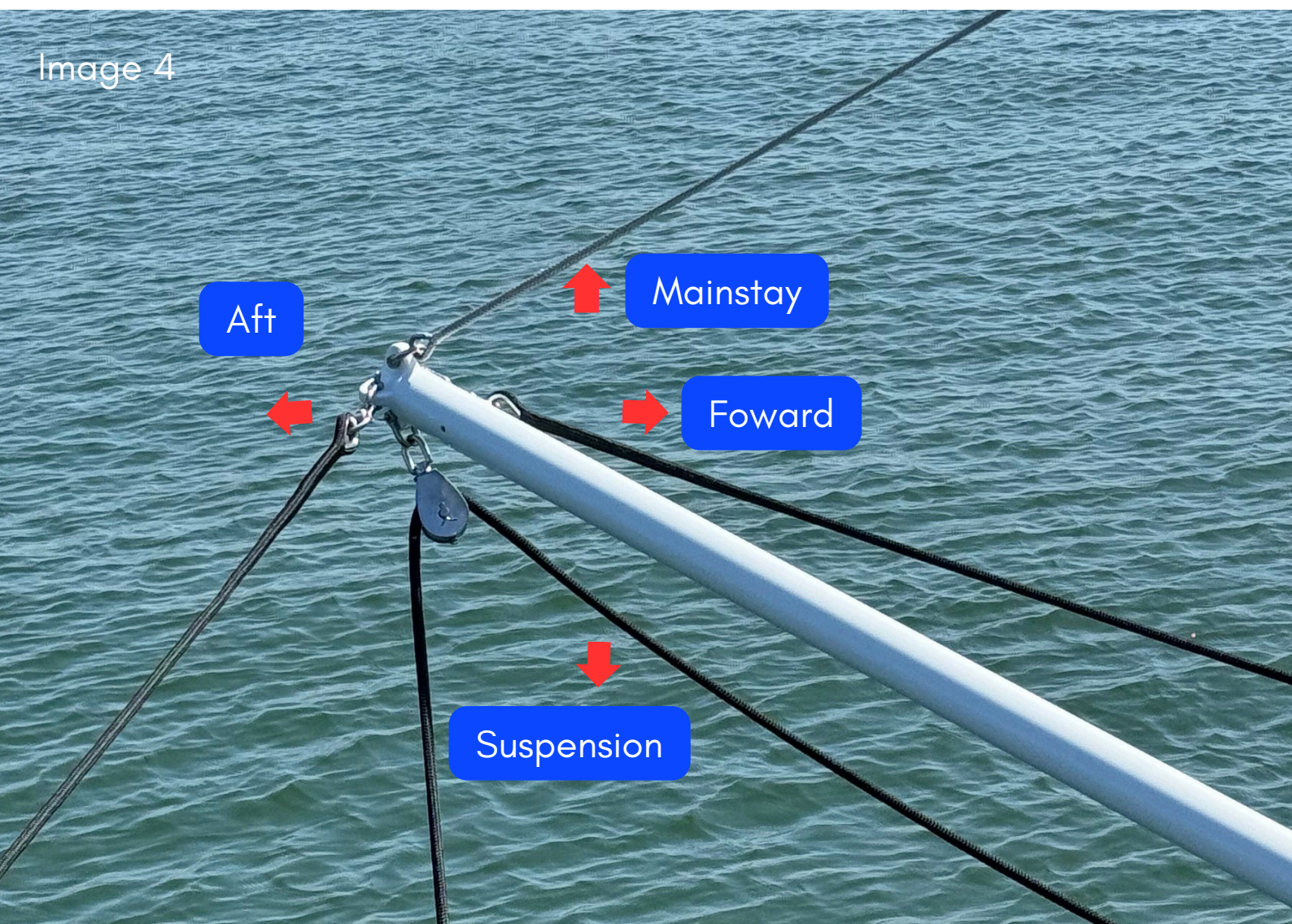
Once you have the booms installed its time to install the Main stay eye for the mainstay ropes.

Attach the mainstay rope with the 8mm shackle to the boom and pivot the boom out so its at a right angle to your vessel, hold the rope up to where you are mounting the main stay eye and mark for drilling (refer image No.3), pilot drill the hole first, use a 12.5 mm drill bit and drill the hole for the eye, put the oversized washer on the outside eye and add sikaflex to the bolt and thread through the hole adding the other washer and locknut, then clean up sikaflex with rag.

The booms must be about 5 degrees above horizontal for optimum performance of the system. You can then mark the mainstay rope for splicing into an eye to achieve the line length desired. If you cannot find someone local to splice eye on mainstay ropes please call us and we will take care of this for you.

The lines are labelled Forward, Aft, Mainstay, Suspension and Lazy line. The forward and aft lines go on the forward and rear of the boom end with the 8mm D shackle and quick release clips supplied (Image no 4)

Image 4



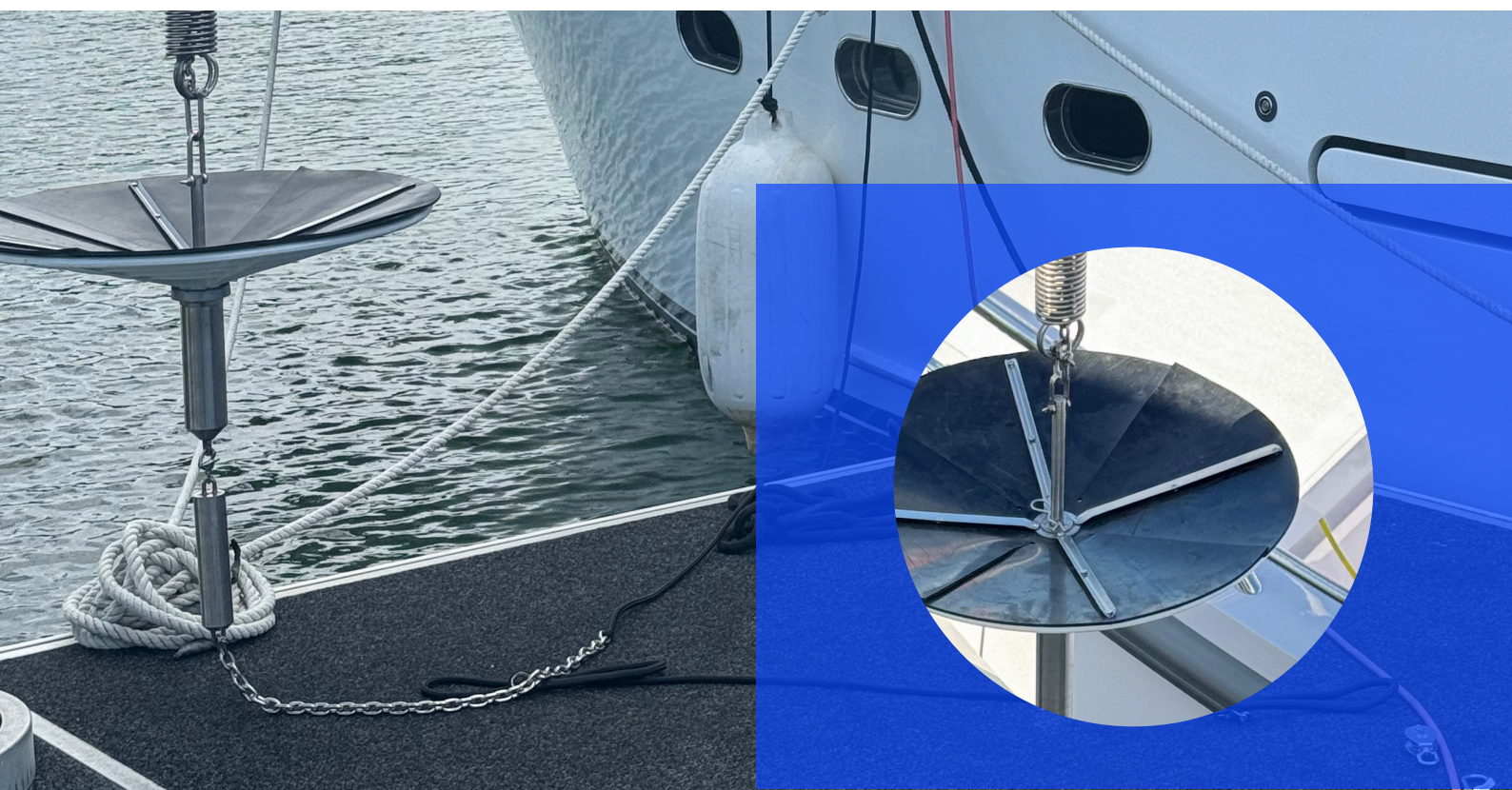
Now you have mounted the boom, cup and mainstay eye you are not far off deploying the boat stabilising system - It's now time to set up your flopper stopper dish and lines.

FLOPPER STOPPER SETUP

Hold main weight (large) with stem facing up, insert the bush onto stem with flat side facing down, Next add flopper stopper dish with anode facing down, add washer onto stem and then insert r-pin through the bottom hole on stem to clip and lock dish together. Now attach lazy line weight (small weight) to main weight with the welded snap-shackle, next use the 8mm D-shackle and attach the chain from your lazy line to the the welded eye on the bottom of the small weight, set aside flopper stopper. Now attach the suspension line with the 10mm D-shackle to the spring and attach the welded shackle on the spring to the main weight stem.

LINES (ROPE) SETUP

Now its time to attach aft, forward and mainstay lines into boom. holding the end of the Suspension line feed the rope through the pulley block, then tie off to a cleat or rail, then attach mainstay line on boom end and to main stay eyelet. Now attach forward and aft lines to boom, then slowly pull aft and forward lines to pivot and position boom to a 90degree angle of vessel and tie off forward and aft lines with tension. Next, tie off lazy line first to a cleat and then tie off suspension line to a cleat with light tension. Pick up flopper Stopper whilst also holding lazy line in opposite hand, drop over flopper stopper in to the water continue holding lazy line and let lazy line pendulum into position out and under the boom, then adjust your suspension line to position the flopper stopper about 2 metres below water line. Tie off suspension line, and you will notice the reduction of roll straight away .



Line Setup

Boom

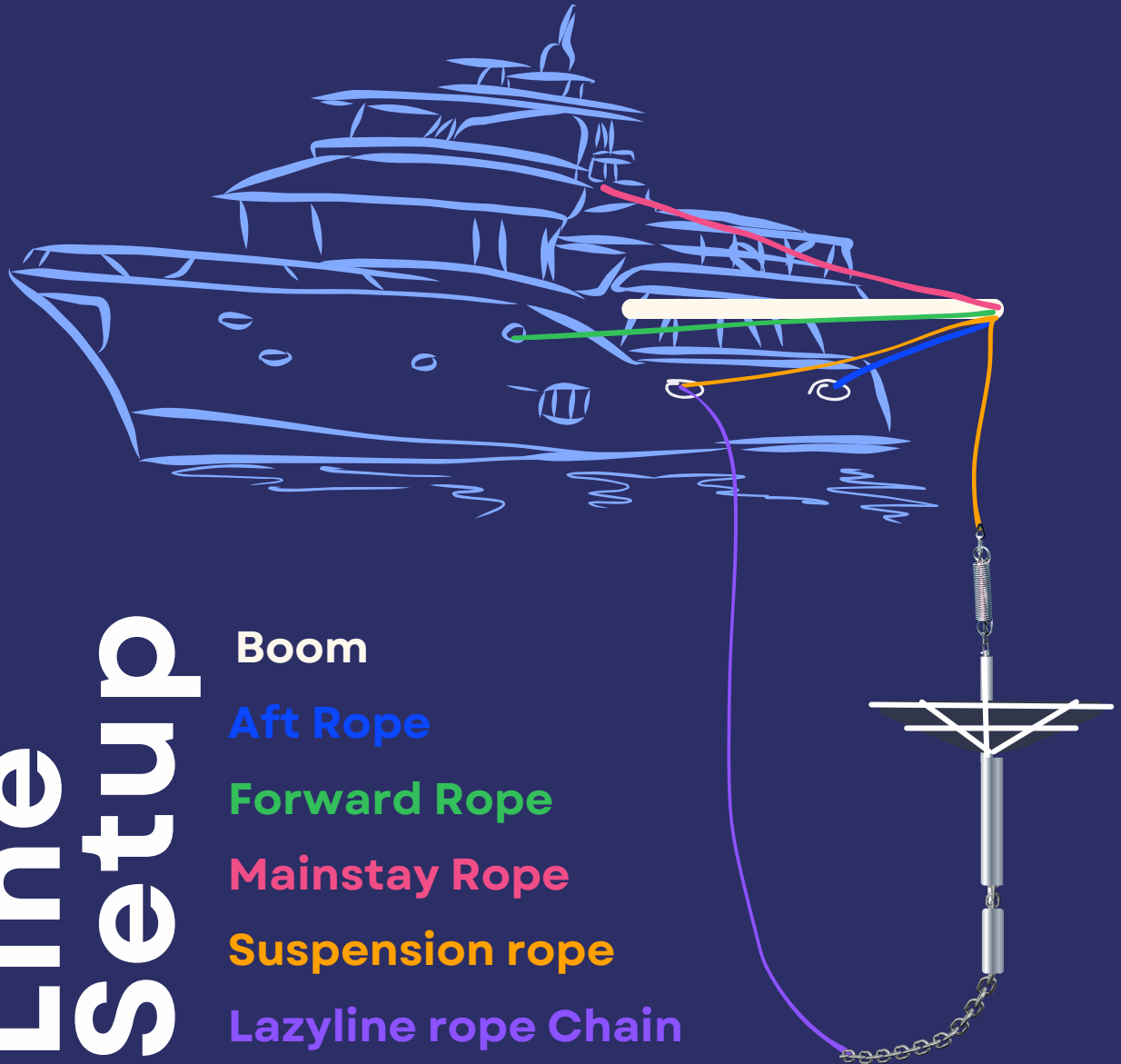
Aft Rope

Forward Rope

Mainstay Rope

Suspension rope

Lazyline rope Chain



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