



How to Select the Most Effective Anchor

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The best place to start is by evaluating your current anchor. Does it do everything you'd like it to do? Answer the questions below to see how your anchor holds up.

1) Does your anchor set immediately or does it drag before it sets? Yes ___ No ___

2) Will it always align itself into the penetrating position without using a roll-bar?
Yes ___ No ___

3) Does your anchor's center of gravity make it more effective? Yes ___ No ___

4) Does it break loose with changes in tidal flow or wind direction? Yes ___ No ___

If yes, how great a distance does it take before it re-sets? ___ ft.

5) Does it penetrate and hold in:

- Weeds? Yes ___ No ___
- Sand? Yes ___ No ___
- Rocky sea beds? Yes ___ No ___

6) Is it easy to retrieve? Yes ___ No ___

7) Does it have features to prevent fouling the anchor rode? Yes ___ No ___

8) Does it have openings, or indentations that catch, mud, rocks or weeds making it at times ineffective and/or hard to clean? Yes ___ No ___

9) Is the connection between the shank and body strong? Yes ___ No ___

10) Have parts of your anchor bent under extreme forces? Yes ___ No ___

11) Is the chain/swivel attachment hole large enough so it does not constrict the operation of the swivel? Yes ___ No ___

12) Is the shank attachment hole reinforced enough to allow transfer of the load from the anchor to the rode? Yes ___ No ___

13) Does it naturally align itself on recovery, and settle into the bow roller...especially if it approached the bow roller backwards? Yes ___ No ___

14) Is the shank length short enough to keep it from hitting deck gear when deploying or re-launching? Yes ___ No ___

15) Does the "appearance" of your anchor add to the beauty of your boat? Yes ___ No ___



Answers

Experienced yachtsmen believe “The value of a vessel is measured by the quality of its anchor.” To ensure the safety of family, crew and vessel, knowledgeable owners demand the most capable anchor available.

Now compare your responses to the capabilities of Ultra Anchor. See why Ultra Anchor delivers dependable performance, piece of mind, and reduces stress of a night-on-the-hook.

1) Does your anchor set immediately or does it drag some distance before it sets?

Ultra Anchor is the quickest setting and highest holding anchor in its class. Because of its fine reverse-curved point and center-of-gravity located over its penetrating tip, Ultra Anchor hits the sea floor with its body in the attack position and tip penetrating the seabed.

When the vessel falls back on the anchor, Ultra Anchor immediately digs in while other anchors have to right themselves, position their mass up over the tip, and then use their weight and configuration to dig in.

Ultra Anchor sets at a lower scope angle than many of its competitors; thus it sets quicker. If an it needs to reset, it does so more quickly than any of its competitors.

Use these anchoring guidelines:

- To find the minimum scope ratio; multiply the depth (measured from the bow roller to the bottom) by the Beaufort (wind speed)
- For Instance: Depth: 30ft. (from bow roller to the sea bed), and Wind Speed: 6 Beaufort (22 to 27 knots)
- Minimum scope = $30 \times 6 = 180\text{ft.}$
- Set your anchor by backing down slowly
- Confirm anchor is holding by aligning visual landmarks or GPS position

2) Does your anchor always align itself into the penetrating position without the use of a roll bar?

Competitor: Some anchors require a roll bar to align into the penetrating position. There are two drawbacks to using a roll bar 1) the anchor must rollover and reposition itself before the anchor tip begins penetration, and 2) the roll bar prevents these anchors from penetrating deeply into sea beds composed of unconsolidated soils, and digging deeper into the higher density layers below. Though these anchors appear to be holding, they pull out under high loads instead of digging deeper.

Ultra Anchor eliminates this problem due to its ingenious design. It features a strong, weight saving hollow shank. This weight savings and related buoyancy enables us to place Ultra Anchor’s center-of-gravity lower in the anchors’ body, and closer to its penetrating tip. This design enables the Ultra Anchor to always land in the upright, penetrating position.

3) Does your anchor apply its center-of-gravity to make it more effective?

Most anchors use their geometric design i.e. flat or curved surfaces to align themselves into the penetrating position, and then use these surfaces to oppose the direction of pull to establish holding power.

Ultra Anchor features a hollow shank, and the base is filled with lead. This puts the center of gravity right at the tip of the anchor so that when the anchor hits the sea floor it is resting in the attack position. Due to its low center-of-gravity, the Ultra Anchor will actually right itself on the sea floor should it land on its side.

4) Does your anchor break loose with changes in tidal flow and wind direction, or does it bury itself deeper?

Ultra Anchor: With its unique curved tip and “dipper-style” concave design, the Ultra Anchors’ natural motion is to stay buried when the yacht swings. These design features, along with Ultra Anchor’s low center of gravity enable it to dig deeper into the seabed and generate additional holding power.

As with most anchors, when the shank is pulled to one side by the chain, the shank also wants to turn the anchor body in the same direction. At that moment, the anchor’s tendency is to roll over on its side. However, with the Ultra Anchor this force is negated by the width of the body, and it stays in the penetrating position. When pulled from an off-center alignment, Ultra Anchor continues to penetrate and does not become dislodged.

4a) If yes, how great a distance does it take before your anchor re-sets? ____ ft.

Ultra Anchor typically sets within its own length.

5) Does your anchor penetrate and hold in weeds, sand and rocky seabeds?

Ultra Anchor’s curved tip gives it excellent characteristics to grab and penetrate. This design ensures that the Ultra Anchor does not have to depend on the weight of the chain to penetrate.

- **Weeds?**

- Weeds to 5ft. in length are no problem for Ultra Anchors. When the vessel reverses, Ultra Anchor easily penetrates the sea floor.
- To dig through long weeds, the anchors’ weight is more important than its geometry. Anchors with large surface areas cannot penetrate weed beds even if they weigh up to 100lbs...they simply slide down the weeds. Based on our tests, there is not a single anchor including the Admiralty that can penetrate long weeds if it is lighter than 100lbs. However, the Ultra Anchor with its non-overstated holding surface area, non-projecting geometry and pointed tip, digs through weeds and penetrates into the seabed.

- **Sand?**

- Most anchors work well in sand and Ultra Anchor is no exception.

- **Rocky seabeds?**

- Obviously, anchors cannot penetrate rock; they simply hook between the rocks to gain a grip. Ultra Anchor’s tip is specially designed with a pointed leading entry at the bottom of the anchor. This feature allows it to grab very small indentations and/or openings between the rocks. To retrieve Ultra Anchor from rocky seabeds, simply rig a trip line to the Anti-foul bar.

6) How easy is it to retrieve your anchor?

Ultra Anchor has a large bearing surface area above the shank that creates a pivot point to make recovery easy when pulling straight up on the anchor.

7) Does it have features to prevent fouling the anchor rode?

Competitor: The Spade, CQR and Delta style anchor have shanks that may foul the anchor rode if too much chain is dropped on top of them before the vessel falls-back to set the anchor.

Ultra Anchor has a reinforcing Anti-foul bar at the head that keeps the anchor line from fouling the shank. This bar can also be used for a trip line.

8) Does your anchor have openings, or indentations that catch mud, rocks or weeds making it ineffective or hard to clean?

Ultra Anchor is of one-piece construction. There is not a single area that is hard to clean. Should it scratch, simply have Ultra Anchor polished to new condition.

9) Is there a strong connection between the shank and body?

Ultra Anchor's body to shank connection is welded, and it will not separate even in conditions when most other anchors fail. For additional protection, we have additional reinforcements in the back of the body plate. All the Ultra Anchors have a manufacturer's lifetime warranty covering workmanship.

10) Have parts of your anchor bent under extreme forces?

Competitor: There have been several failures of the Spade and other anchors from splintered or bent shanks to broken or lost retaining bolts.

Ultra Anchor is built strong. The tip is internally reinforced. The hollow shank cross section is designed to diffuse the load along the walls; making it a superbly strong structure. This hollow shank structure provides a stronger resistance to bending than any solid shank anchors. To this day, we are not aware of any Ultra anchors that have bent under load.

11) Is the chain/swivel attachment hole large enough so it does not constrict the swivel's operation?

Ultra Anchor's shank hole is purposefully designed to be circular. It is not a dual hole as seen on some anchors. Therefore, if you pull the chain from the opposite direction, it does not let the shank, swivel, and chain take on a "Z" shape by constricting movement and disrupting anchor set.

12) Is the attachment hole reinforced to enable the safe transfer of load from the anchor to the rode?

Ultra Anchor's attachment hole is reinforced solid stainless steel.

13) Does your anchor naturally align itself and settle into the bow roller...especially if it approached backwards?

When recovering the **Ultra Anchor**, and it approaches the bow roller in a backwards position, it automatically adjusts itself to the correct position due to its low center of gravity.

Because bow roller design varies from yacht to yacht, it is impossible for any single anchor to suit all bow roller configurations. However, our goal was to find the best design geometry to allow Ultra Anchor to accommodate as many bow roller designs as possible. In this pursuit, we spent countless hours on shank design, and tested it on over 100 yachts. We now believe, Ultra Anchor can be used on 90% of bow rollers without any modifications.

We also offer our own articulated bow rollers. These systems are also found in the construction of many new yachts, and can be retrofitted to existing vessels.

14) When deploying or retrieving the anchor, is the shank the appropriate length to keep it from hitting deck gear?

We purposefully designed **Ultra Anchor's** shank to be shorter than many traditional, old style anchors. Our shank sits low on bow rollers so it does not interfere with other components such as a sailboats' roller furler unit.

15) Does the "appearance" of your anchor add to the beauty of your yacht?

Ultra Anchor is manufactured from 316L Stainless steel, and highly polished. Unlike our competitors, it provides many years of corrosion free service without the need to re-galvanize.

We are proud to say that Ultra Anchor's form follows its function. All features are designed with performance in mind. When all these details come together, there occurs a natural harmony between beauty and function. Beyond its good looks, Ultra is strong and efficient. Ultra is the crowning jewel for any yacht.