

AnchorRescue[®] anchor retrieval system – Instructions

**Step-by-step
instructions describing
the proper use of the
AnchorRescue[®] system**

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Once you determine that your anchor is fouled and you're ready to deploy the AnchorRescue, make sure the conditions allow for a successful recovery operation.

Always wear a PFD and tethered safety harness when using the AnchorRescue.

1. Remove the AnchorRescue retriever from its storage bag. Using a bowline knot or equivalent, attach a line to the bridle of the retriever (the bridle is the loop of line at the top of the retriever). Make sure that the line is long enough to reach the depth of the anchor.

Note: Do not use a floating line when anchoring in deep water.

2. Make sure the AnchorRescue capture pins move freely by compressing and releasing them several times.

Note: The two capture pins are located on the inside of the retriever.

3. Attach the retriever to the anchor rode below the bow roller and secure it by inserting the locking pin. Do not feed the retriever line through the bow roller. Attach the bitter end of the retrieval line to a secure fitting on the boat.
4. Slowly position the boat until the anchor rode is near vertical and there is tension in the system.
5. Lower the retriever down the anchor rode until it connects to the slider. Once the

retriever is successfully connected, the line will go slack and you will no longer be able to easily raise the retriever.

Note: In some conditions, the retriever will not capture the slider on the first try. If this happens, gently raise and lower the retriever until the slider is successfully captured.

6. Once the retriever connects to the slider successfully and before pulling up on the tether line, **it is important to remove the tension in the system and create slack in the anchor rode.**

Note: Slack in the rode will effectively transfer the lift point from the anchor's shank to the trip on the crown and is necessary for successful retrieval.

7. Pull up on the retriever line with enough force to break the cable ties that secure the tether chain to the anchor shank. Using a hand-over-hand technique, raise the retriever without relying on the windlass' capstan until the anchor is free of the bottom.

Note: If your anchor is large and you use the capstan or a winch, the load limit of the AnchorRescue may be exceeded when lifting the retriever line (AR-100 and AR-200 are limited to 760 lbs. The AR-300 is limited to 940 lbs.).

8. Once the anchor is free of the foul and it clears the bottom, release the tension on the retriever line. Then, raise the anchor normally using the windlass or by using a manual operation.
9. When the anchor reaches the surface and before the retriever contacts the bow roller remove the retriever's locking pin. You can snag the lanyard by hand or with a boat hook and remove it. Removing the locking pin allows the retriever to be

brought over the bow roller and secured normally.

10. Replace any missing cable ties once the anchor is stowed safely. The AnchorRescue is now ready to protect the anchor from a snag the next time you deploy the anchor.
11. Before returning the retriever to its nylon bag rinse it with fresh water if available. Again, check the capture pins to ensure they are moving freely before storing the retriever.
12. If the capture pins do not move freely, it may be necessary to remove them and flush out any trapped mud or debris in the pin passage. Simply remove the retaining screws, capture pins and springs. Then, flush the passages with clean water, visually inspect them, and reassemble. Do not over tighten the screws and make sure the screw head is even with or slightly below the surface of the retriever. Again, check for free movement of the pins.

Note: Be careful not to lose the capture screws, pins, and springs.

Installing the AnchorRescue

1. Position the slider on the anchor chain so the tether end is towards the anchor. (Fig. 1)
2. Using the supplied shackle or another suitable shackle, attach the tether to the trip point at the crown of the anchor. If your anchor does not have a trip line attachment point, you will have to make one. If there is any question, please contact the anchor manufacturer for the appropriate trip location.
3. Pick a link on the tether that will give approximately 1 ½ - 2 inches of space between the end of the slider and the shackle or swivel when the anchor chain is stretched out parallel to the anchor shank. (Figs. 2,3) **Don't cut the tether chain to length yet.**
4. Using a supplied 40lb or 50lb cable tie, take the slack out of the tether by attaching an appropriate link of the tether to the shackle attachment hole on (Fig. 3) the shank of the anchor. (Fig. 4) You want the tether to lay along the shank with minimal slack.
5. With a second cable tie, attach the welded link on the slider to the top of the first link of the anchor chain. (Fig. 4) This will leave some slack in the tether at the shackle to allow for free movement. (Fig. 5) Note: If the anchoring system includes a swivel, please review the **Positioning the Slider with a Swivel** section.
6. Trim the cable ties.
7. When confident that you have the correct tether length, you can cut the tether chain to length with a suitable tool. Note: It's easier to shorten a chain than to lengthen one.

Notes:

1. It is best to lead the tether along the anchor shank on the side away from the protruding pin on the anchor shackle.
2. With all compatible anchors, the goal is to keep the tether cable tied and out of the way during normal (Fig. 5) anchoring and give it a straight line to the crown for consistent retrieval.
3. For pivoting anchors like the CQR, you will want to use additional ties to create some slack in the tether at the crown to allow for movement.

Fig. 1



Fig. 2



Fig. 3



Fig. 4



Fig. 5



Positioning of the Slider with a Swivel

Chain and shackle swivels are designed to connect an anchor to the rode and allow a vessel to swing minimizing kinking. Potentially, a swivel prevents unintentional tripping of the anchor and allows the chain to pass more easily over the bow roller during retrieval.

1. There are many different designs and sizes of swivels in-use by cruisers and the AnchorRescue system is engineered to work with most popular ones (designs include standard, double shackle and double eye, locking, and twisted swivels).

Note: The AnchorRescue system isn't compatible with certain types of twisted swivels. Always follow the swivel manufacturer's swivel installation instructions.

2. When installing the AnchorRescue for the first time, the slider should be positioned on the anchor chain so that the tether end is toward the anchor. (Fig. 1 and Fig. 2). The slider is designed to rotate on top of or over the swivel. Prior to finishing the installation check to make sure the slider rotates freely. Please refer to the installation instructions for completing the AnchorRescue installation.

Note: It is very important that the anchor chain and swivel rotate freely. The tether chain connecting the slider to the anchor's trip should not interfere with the rotation. Do not secure the tether chain to the anchor rode when a swivel is part of the system. When retrieving the anchor and stowing it back on deck conduct a quick visual inspection to determine that the cable ties that secure the tether chain to the anchor's shank are still in place. Replace any missing ties before re-deploying the anchor.

Fig. 1



Fig. 2



Tether Chain Installation with Roll Bar Anchors

1. There are two popular roll bar-style anchors, e.g. the Manson and Rocna. For these anchors, an extra length of tether chain is required. Scanmar offers a supplemental tether extension kit that includes an extra length of appropriately sized chain and a special connector link for joining purposes.

Note: The tether chain extension kit can be ordered with the AnchorRescue system or separately.

2. For roll bar-style anchors, it is recommended that the tether chain run from the shank, over the roll bar, and attach to the anchor's trip. During retrieval of a fouled anchor this effectively transfers the lift point to the crown of the anchor.

Note: The AnchorRescue is available in three different model sizes: (AR100, AR200, AR300) that correspond with anchor chain sizes of: 1/4"-5/16" (6-8mm), 3/8" (10mm), and 1/2" (12mm). Accordingly, the AR100 includes a 34" (864mm) tether chain, the AR200 includes a 44" (1118mm) tether chain, and the AR300 includes a 54" (1372mm) tether chain. These chain lengths are sized to fit most anchors except for the roll bar-style anchors such as Rocna and Manson-style that need an extra 20 – 24" (508-610mm) of chain.