

ULTRALINE USER'S GUIDE



Ultra Marine
Ultra Safe Anchoring

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What is ULTRALINE :

STAINLESS STEEL HOUSING

- Outside is stationary.
- Only turns from inside.
- Does not interfere with other equipment.
- Made of 316L stainless steel.
- Resilient and durable.

SIDE OPENINGS

Windows provide fast drying to prevent mildew.

CENTRAL MOUNTING EQUIPMENT

Mounts from one location on the backside of the reel.

ROLLER FAIRLEAD

- Made up of mini teflon rollers and side guiding parts.
- Provides easy rope entrance.
- Ensures the line is reeled properly.
- Squeezes excess water from the line while rewinding.

MOUNTING BOLTS

Ø25 mm stanchion, handrail and pulpit adaptable tubing clamp.

ROPE GUIDES

Scale to show approximate length in use.

MULTI FUNCTIONAL WINDING ARM

- It has a flush flat construction.
- It is at the same standard with normal winch handles.
- It can even be used with small winches.
- It can be used as a key for various hatches and U-locks.
- It can also be used as a bottle opener.

FLAT ROPE

- Lengths of 40m-100m
- Long lasting.
- High breaking strength.
- High U.V. resistance.
- Does not let mice walk on.
- High visibility when in use.
- Easy to use and rewind.



ULTRALINE is a clever flat rope storage system, enabling high strength flat rope to be used without any preparation or fuss straight out of its stainless steel housing.

The flat rope should always be tied off before exposing it to any loads. The empty rope must be reeled in and the bitter end secured by tying it to a cleat. The line is deployed by pulling. It is reeled in by the multi-functional winding arm.

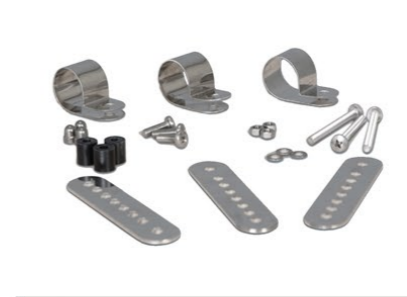
Note: The flat rope reel housing and bracket are not load bearing. When retrieving flat rope under load pull in by hand, winch, or by repositioning the boat.

The ULTRALINE Reel can be mounted in many different ways. Each ULTRALINE Reel comes with 2 mounting kits; a universal center mount and a 3 point surround mounting kit. These mounting kits make it easy to mount your ULTRALINE Reel to any railing or pulpit. The ULTRALINE Reel can also be mounted on any flat surface (such as a bulkhead or inside of a hatch) There are endless ways to mount your ULTRALINE Reel, so if you have an ideal location you want to mount it, contact us and we can help you find the best solution.

3 POINT SURROUND MOUNTING DETAIL



3 POINT SURROUND MOUNTING KIT



3 POINT SURROUND MOUNTING KIT ADAPTABLE RAIL DIAMETERS

RAILING SIZE	
mm	inches
Ø25	1/2"

UNIVERSAL QUICK RELEASE CENTER MOUNTING KIT



UNIVERSAL QUICK RELEASE CENTER MOUNTING KIT ADAPTABLE RAIL DIAMETERS

RAILING SIZE	
mm	inches
MIN. Ø24	15/16"
MAX. Ø34	1 5/16"

UNIVERSAL QUICK RELEASE CENTER MOUNTING DETAIL



Where is an ULTRALINE Used:

The ULTRALINE is a versatile and practical flat rope storage system that is neater and safer than traditional rope and can be used in a variety of ways.

Practical uses and guides for the ULTRALINE system are listed below.

1. Stern tie with ULTRALINE : (Using the ULTRALINE as a Long Mooring Line)

Using a stern mooring line is necessary when anchoring on a pitched seabed. Without a stern line, there is also a danger your anchor could break out with an offshore wind.

Your main anchor should be dropped using the correct scope, go stern towards the shore keeping an eye out for any underwater rocks. A stern line should be sent to the shore by either a tender or swimming it in. Secure the end of the line to a solid point. Such as rock or a ledge, making sure you protect the line from chaffing. You will need to secure the line before the boat swings on the wind, so act quickly! Always tie the upwind line first. Take up the slack from the boat by using a half turn around a cleat and tighten the line, then make a minimum of 2 to 3 figure of eight turns and lock it off in the normal way.

The obvious benefits of the ULTRALINE DYNEEMA system are ; it is strong, easily accessible, incredibly light for the length of line stored and removes the need to prepare heavy ropes on deck (which in its self can prove to be awkward when handling longer lengths). You will never experience problems with tangled or twisted lines again allowing a clear deck to safely work on. Storing flat rope in its own stainless steel reel housing makes deploying and retrieving line faster and easier.

You have two stern tie options.

a. Cross tie :

This is mostly preferred when there are other boats close by. It prevents the boat from moving port - starboard by side winds. However, when there is not much distance to the shore , this may bother people wanting to swim to shore.

b. "V" Tie in Directions of the Port and Starboard :

This is mostly preferred when there is enough distance with other boats. This also prevents the boat from moving with side winds. It is easier to come to stern by dingy and swim to shore.

Note: If you mostly tie to rocks, you can use the additional line that come in the box to not wear down the original ULTRALINE.

- Additional Line:

. That additional line is for lassoing to rocks.

. You would first pass the hook through the main lines loop and then attach the hook to its own eye spliced loop.

. You can tie to shores quickly with this by protecting the main rope.



2. Tying to a Buoy / Mooring ball with an ULTRALINE :

You can tie to a buoy / mooring ball with an ULTRALINE if you have one available at the bow. Otherwise, also use the ULTRALINE you have at the stern by pulling its line to the bow over the deck.

3. Tying to a dock with an ULTRALINE :

As ULTRALINE is always easily accessible, you can use it for short term ties under emergencies.

This is easier if you have ULTRALINE both at bow and stern. Once the emergency is over you can then replace ULTRALINE with your permanent lines.

If you get strong side winds when stern tied, you can use an ULTRALINE from the bow to the shore as a cross tie to not allow the bow to move from side to side.

4. Anchoring with the ULTRALINE :

An ULTRALINE is most commonly used as a stern anchor line for the following reasons ;

a. If there is not enough space between boats at berth for you to stern tie.

b. Strong winds, currents or limitations in space to swing.

c. It may help to reach some high berths.

d. To prevent from strong wind and the dirt this wind brings. Assists in aligning your boat to avoid beam winds and swell. Keeping your bow into the wind and swell will help sideways rolling, making a better nights sleep.

e. Adjust the position of your boat to create privacy of your boat.

If you don't have a windlass at your stern, you can tie a 4 - 5 m. chain to your small backup ULTRA and use it as a stern anchor. Sometimes to decrease the total weight on bow at performance boats when there is not anchor at the bow, you can use the same combination as a light and practical solution.

5. Using the ULTRALINE as a Safety / Jackline :

It is important to harness yourself to a jackline when working on deck at night, during low visibility, or in rough conditions. A jackline is a rope or wire strung from a ship's bow and stern to which a safety harness can be attached to, allowing a crew member to move about the deck safely avoiding the risk of falling or being swept overboard. Jacklines are typically made with high strength nylon webbing. The reason is that flat webbing does not roll under foot while working on deck. This reduces the hazard that can be created by using rope.

You can use your ULTRALINE as the jackline by simply running from the bow to the stern on both the port and starboard side of the boat.

6. Using an ULTRALINE for a Drogue / Sea Anchor :

An ULTRALINE can be easily attached to your sea anchor / drogue and safely deployed.

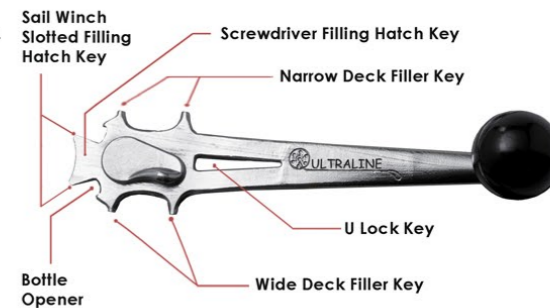
If you have two ULTRALINE reels at your stern, you can also use them as your drogue. For this you should simply tie the ends of both ULTRALINES together and feed out the line from the stern and cleat it off.

7. Another great use for an ULTRALINE is a Tow Line for your tender :

Since Dyneema line floats you don't have to worry about wrapping the line in your propeller. If you are using the polyester / nylon flat rope it is recommended to attach a float on the towline close to the boat.

As noted before ULTRALINE is a true multi-functional product with a variety of uses.

There are some key features of ULTRALINE's Multi-Functional Winding Arm, as well.



FREQUENTLY ASKED QUESTIONS

1. Is ULTRALINE Used on Sail Boats or Power Boats ?

It can be used on all kinds of boats. Anywhere line is used on your boat ULTRALINE can be used. You just need to determine the best place to mount it.

It is commonly mounted on the pulpits and stanchions but can be mounted in many other ways.

It can easily be mounted on places like flat surfaces or under hatches. Mounting kits include all needed parts for such an install.

2. How Many ULTRALINES Do I Need ?

The best use comes with three ULTRALINES. For instance, installing 2 / 60 meter or 80 meter ULTRALINES to the stern and one 40 meter ULTRALINE to bow. On the stern one can be floating and the other can be sinking. This gives you the versatility to do most jobs using a line onboard.

3. Are ULTRALINE Flat Rope Reels UV Resistant ?

We use “Dyneema” fibers in our ULTRALINE series. Dyneema has high UV resistance and also very high breaking strength.

4. What size ULTRALINE Do I Need to Use ?

This depends on how you are intending to use an ULTRALINE.

With a stern anchor or stern tie, this depends on how close the boat can come to the shore or the depth you will anchor at. Generally power boats can come closer to the shores due to their low drafts. Therefore they can use shorter ULTRALINE such as the 40m.

On the contrary sail boats with high drafts should use longer ULTRALINE such as 60m. and 80m. Boats over 50 feet prefer 100m. ULTRALINE.

Some boater choose to stern tie to the shore with the line wrapping around a fixture onshore and returning back to the boat to secure the bitter end. This makes it very easy when departing the anchorage. All you have to do is release the bitter end and retrieve the line into the flat rope reel. Eliminating the need to go to shore when departing and making it a fast and safe process. In this case the larger reels of 80/100 meters is preferred.

5. Which Mounting Kit to Use, Surround or Center ?

Depends on the place you will mount the reel.

If you tend to mount it on the pulpit or on a flat surface, you should use the parts in the surround mounting kit.

However, if you want to mount it on a railing or stanchion, you should use the center mounting kit.

Both these mounting kits come with every ULTRALINE.

6. Can I Use a Standard Winch Handle with My ULTRALINE ?

Yes. ULTRALINE has the same size slot as standard sailing winches handles. Therefore if you want you use any kind of winch handle you have with your ULTRALINE. ULTRALINE’s multi-functional winch handle does the job.

Take caution not to leave a standard winch handle on the reel once you want to pull the line quickly because the speedy turning winch handle might hurt once it hits whereas the original ULTRALINE handle doesn't cause such a risk.

7. My Reel is Jammed or Does Not Release Smoothly ?

It is easier to pull the Ultraline when it is loosely wrapped on the reel. Therefore once all the line is returned to the reel do not continue to turn the handle as it causes the line to jam upon release.

If it is over tightend, loosen the line by turning the handle the other way.

8. Can We Use Sail Winch with Flat Line ?

Normally flat lines are not suitable to sail winches.

However, when needed, you can use the winch by wrapping it around to winch drum 1 to 1 1/2 times and tailing the line to be sure the flat line does not overlap. When using a self tailing winch you can fold the flatline (like a taco) into the self tailer. Each winch may vary on its effectiveness with this method.

9. How Do You Determine the length of line Deployed ?

There are two scales in “meter” and “feet” on the reel. This shows you how much line is in use.

10. What Will Hapen If the Line Is Completely Freed from the Reel ?

The end of the line on the old reels are connected to the reel's hub by a small-weak screw. We use Velcro on the new models. This weak attachment is done intentionally to insure you don't damage your reel or place of mounting. The end of the line can be easily re-attached by re-screwing the screw or re-attaching the Velcro to the hub.

11. Does the ULTRALINE Free Spin Underway ?

Generally ULTRALINES mounted at the stern will not free spin. However, if you have an ULTRALINE mounted at bow and sailing under a very strong wind, it may free spin open a little by the waves hitting to bow. To eliminate this risk, you can secure the flat line end by tucking the spliced end back into the reel housing.

* Thank you for choosing the ULTRALINE. We hope the ULTRALINE gives you ease and enjoyment for years to come.

* For any additional questions please contact your local dealer.

ULTRALINE Selection Table / Metric System

TYPE #	THICKNESS mm	WIDTH mm	LINE LENGTH m	REEL DIAMETER cm	BREAKING STRENGTH kgf	WEIGHT kg
UL-D 40/130	2.3	22	40	39	3200	3.8
UL-D 60/200	2.3	22	60	47	3200	5.1
UL-D 80/260	2.3	22	80	54	3200	7.4
UL-D 100/330	2.3	22	100	60	3200	9.2

ULTRALINE Selection Table / Imperial System

TYPE #	THICKNESS inch	WIDTH inch	LINE LENGTH feet	REEL DIAMETER inch	BREAKING STRENGTH lbf	WEIGHT lbs
UL-D 40/130	.091"	0.87"	132'	15.35"	7000	8.4
UL-D 60/200	.091"	0.87"	198'	18.5"	7000	11.3
UL-D 80/260	.091"	0.87"	263'	21.25"	7000	16.4
UL-D 100/330	.091"	0.87"	330'	23.62"	7000	20.3



ULTRALINE Flat Rope Reel