



Main Lines

The SWOS assist system consist of a mainline and pendant, where the mainline acts primarily as the portion of line that gives you the working length required to operate in all scenarios.

Typically this portion of line is subjected to less demanding working conditions than that of the pendant portion of our system since it is not being connected to the hardware on board the asset being maneuvered. It is the implementation of a pendant combined with the mainline that allows extremely long service life out of the most expensive portion of the system. The mainline can last up to 10 years in a lot of cases with the proper management program and having it connected to a sacrificial pendants.



Pendant Lines

During ship assist operations the portion of your system that experiences the most wear and roughest conditions is the 100-150' that is put out during operations.

This end of the line is sent up to vessels that may not maintain their hardware, or through chocks and onto bitts that share duties with wire rope. A key element to the SWOS ship assist system is the implementation of a sacrificial pendant covered in the lightest weight, highest cut and abrasion resistant chafe protection on the market.

Implementing a sacrificial pendant allows this portion of line to take the beating and be replaced as needed without having to continually shorten or replace the entire system; a traditional system would require you to cut out an discard the worn end of line and re-splice, and each time you would be shortening the overall working length until at some point you have to replace it with a new, full length line.



Lifting Slings

Many of SWOS's lifting slings are designed with floating rope for ease of connections to ROVs. We will work with you to define your length requirements, working load limits, hardware compatibility, and other specs to maximize the performance of your sling.

SWOS designs and fabricates heavy lift slings utilizing a wide variety of fibers and rope constructions. Over the years, fiber rope slings have evolved from hemp to nylon, from polyester to Kevlar. All of the aforementioned slings are still used in select applications. The majority of heavy lift slings are now made with Ultra High Molecular Weight Polyethylene (UHMWPE) fibers, such as Dyneema®. This is a very light weight, high strength, minimal stretch material. The key to these slings is proper terminations (splices), adequate chafe protection, and proper application.



Deck / Hand Lines

From deck lines to hand lines, having top quality, high performing working lines give you peace of mind in the event that your wire line or any other line fails.

SWOS will partner with you to determine the type of inventory you need on hand. Our products are made with high quality fibers, including polyester and polypropylene, to withstand exposure to harsh environments.