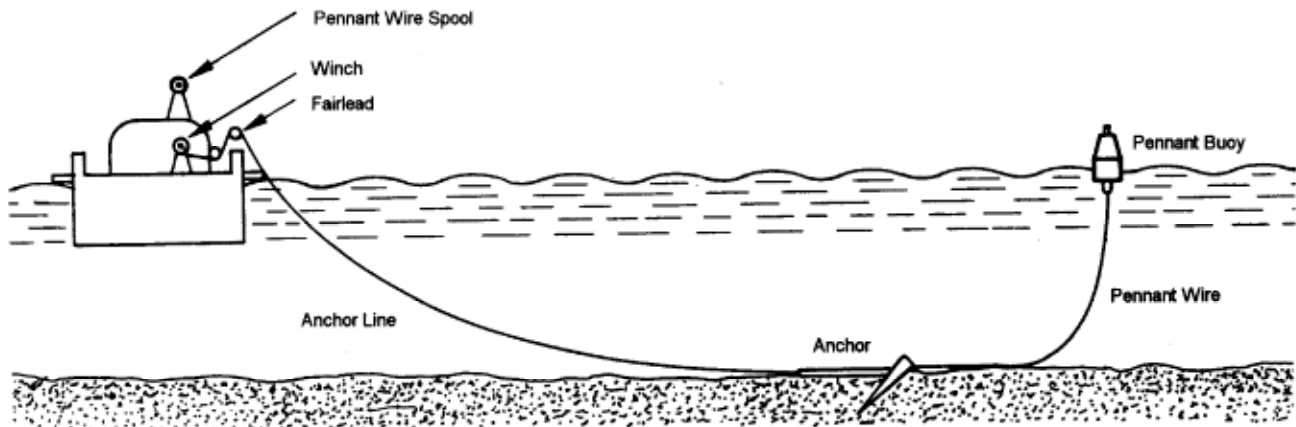

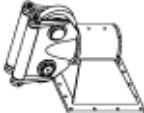

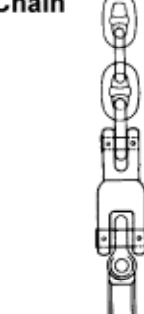



# ANCHOR LINES

A complete anchor line has the following components: winch, fairlead, wire rope and/or chain, shackles and swivels, anchor, and pennant line, pennant buoy or chaser.



<p><b>Winches</b></p> 	<p>are used to haul in or pay out the anchor wires which are stored on drums</p>	<p>Driven by hydraulic power, low speed high torque motor, often have two speeds. Installed with load gauge.</p>
<p><b>Fairleads</b></p> 	<p>are hull accessories that guide the ropes or hawsers as they leave the floating structure</p>	<p>must be cleared of deck obstructions and aligned as closely as possible with the winches</p>
<p><b>Wire Ropes</b></p> 	<p>anchor ropes normally used offshore have a 6x19 IWRC wires, and the largest has a 6 X 36 IWRC wires</p>	<p>wire rope lengths on offshore work barges generally range between 800 and 3000M, and their diameter normally varies from 32 to 76 mm (1-1/4 to 3 inches).</p>
<p><b>Chain</b></p> 	<p>elements are manufactured from standard grade steels. Grade RQ3, ORQ, K4 , Grade 5 anchor chain is being developed. Grade ORQ displays an increase of about 10% in proof and breaking loads over Grade 3, and Grade K4 show an increase of 40%</p>	<p>lengths used on semi-submersible rigs generally range between 1,000 and 2000M, and the chains are about 60 to 80 mm (2-1/2 to 3 inches) in diameter.</p>
<p><b>Anchor Recovery Systems</b></p> 	<p>Anchors can be recovered in two ways, by a pennant wire generally behind the anchor, or by a chaser.</p> <div style="border: 1px solid blue; padding: 5px; margin-top: 10px;"> <p>The data (specified in this catalogue) are accurate at the time of printing. For the latest update, please refer to the respective International Standards.</p> </div>	<p>The pennant wire must have the same characteristics as the anchor line. Its length should be equal to the water depth plus 30 to 40 m (corresponding to a few turns), plus the length of the deck of the supply vessel. The chaser is placed on the line to handle and recover the anchor. The chaser is equipped with a pennant wire and must slide easily over any shackles, swivels and the shank of the anchor without damaging the line.</p>

Deepwater fiber rope mooring system had been developed in the market.