

**XD Hiking Strap, Main Sheet
and Rudder Downhaul System**

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Vectran V12

These lines are used extensively throughout the XD system. Vectran 12 is a 12-strand braided rope utilizing fibers made from liquid crystal polymer which give it a very high strength-to-weight ratio. The strands are formed to produce a solid plaited rope with a squarer profile. They are balanced to distribute the loads equally, resist kinking and work well around turning blocks. Vectran 12 line is incredibly lightweight and doesn't absorb water so it remains so in wet conditions. It features extremely low stretch and low creep, achieved by a heat-set pre-stretching procedure during manufacturing. Before leaving the factory the line is given a clear PU coating for enhanced abrasion resistance and UV protection.

Vectran control lines

The XD control lines are grippy when wet; yet maintain extremely strong with low stretch properties. This is achieved by covering a Vectran core with a knobby/grippy polyester outer sheath. The polyester sheath maintains the Vectran core's low water absorption by allowing water to pass through the line. The sheath assists in turning around the system's micro blocks, reduces abrasion and increases grip in both cleats and hands.

Dyneema Race control line

Dyneema Race control line has a hardwearing 16-plait polyester cover over a braided Dyneema core. This combination provides superior low stretch and high strength while being flexible enough to turn over tight radiuses.

7 mm Mega Bungee

The larger diameter bungee is made from high end elastomers within a braided sheath. The result is a bungee with consistent stretch characteristics and higher overall strength.

Mainsheet: 6 mm Mottled Sheetline

This line has a treated and heat set Dyneema braided core with a blended cover of high tenacity spun and continuous filament polyester to create a very grippy and soft rope. The rope runs through the blocks very easily and its unique hand makes using this 6 mm rope very manageable in strong wind conditions.



List of Parts

- 1 Sheetline mainsheet
- 2 Vectran V12 traveler system
- 3 XD 57mm Harken carbo block
- 4 XD spring and shackle
- 5 XD hiking strap
- 6 Vectran V12 hiking strap adjustment system including mega bungee
- 7 Daggerboard Mega Bungee with clip
- 8 Rudder Mega bolt
- 9 Vectran V12 rudder downhaul
- 10 Line for daggerboard clip

Due to XD kit continuous improvement, specifications, dimensions and colors may vary to those shown.

Rudder Downhaul System



- 1 Remove the existing downhaul rope supplied in rudder assembly.



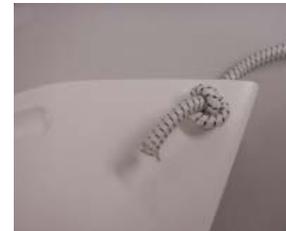
- 2 Take the piece of **3 mm Vectran V12** x 1.2 m and tie a large double figure 8 knot in one end by taking the tail twice around before passing through the loop to form the knot. This creates a larger stop knot.
- 3 Fit in to rudder blade as per the original rope.

Traveler System



- 1 Take the piece of **5 mm Vectran V12** x 3 m and fit to the traveler blocks.
- 2 Thread through the traveler fairleads and tie a bowline in the Vectran.
- 3 Thread the tail through the cleat and tie off with a loop handle.

XD Daggerboard Retaining Line



- 1 Thread the **elastic bungee** through the daggerboard and tie a stop knot.



- 2 Tie the **cord** supplied in the XD hiking strap bag to the bow eye to form a loop.
- 3 Connect the **bungee hook** when sailing.

XD Hiking Strap System



1 Remove standard hiking strap from the boat.



2 Apply a sealant to the screw holes.



3 Fit new **XD hiking strap** and **ratchet block** using the spring and shackle provided.



4 Take the 1.2 m length of Vectran V12 and tie a figure 8 knot in one end.



5 Pass the V12 through both of the hiking strap eyes leaving the knot on the port side.



7 Next pass the tail around the port eye feeding it from the outboard port side.



8 And back through the webbing in the hiking strap.



9 The rope tail is then passed through the starboard eye so that the end of the V12 can be pulled from the side of the boat.



10 Tie a loop handle in the end.



11 Tie the mega bungee to the hiking strap by wrapping it around the traveler cleat and hiking strap twice before tying the ends with a reef knot. The bungee will be tight.

