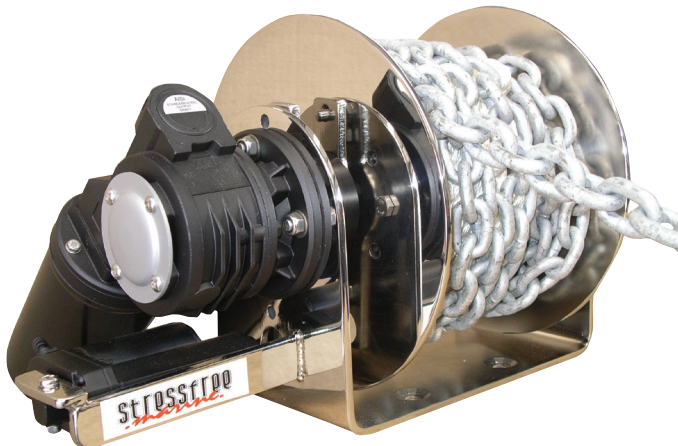




Australia's Premier Anchor Winch
www.stressfreemarine.com.au

STRESS FREE™ USER HANDBOOK



Congratulations on the purchase of your new Stress Free™.

At Stress Free Marine™ we are very committed to the quality and safety of our product and ask that you read this handbook carefully. Follow the installation instructions to ensure you, our valued customer get maximum benefit from your Stress Free™ - the ultimate anchor retrieval system.

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Attachment:

- ◆ Warranty protection (to be filled in and returned) within 30 days of purchase

OPERATING INSTRUCTIONS

Standard Model

How to get on your mark:

- Engage the circuit breaker to power up the winch.
- Go ahead of your mark, put the boat in reverse and idle back.
- Push the down switch whilst continuing to idle back (to avoid bunching the chain on top of the anchor) - keep tension on the rope.
- Continue to lower the anchor until the rope goes slack – your anchor has now hit the bottom.

DO NOT OVER RUN THE ROPE ON THE DRUM

- Once you are in the right fishing spot there is no need to tie off the rope.
- Disengage the circuit breaker to cut power from the winch.

Retrieving the anchor:

- Engage the circuit breaker to power up the winch.
- Start your engine, slowly move forward whilst pushing the UP switch.
- Continue to push the UP switch until you can see the chain – inch the switch to bring the anchor up and lock into the Bow Sprit.
- Disengage the circuit breaker to cut power to the winch.

DO NOT JAM THE ANCHOR IN TO THE BOW SPRIT

What to do if the anchor is jammed in to the Bow Sprit:

- Go to the front of your boat, put some pressure on the chain (place both hands firmly on the line of pull, push down to release some tension). This will release the gearbox and the winch will be back to normal operation.

SAFETY SWITCH

The Stress Free™ has a built in safety switch (circuit breaker) located on the switch panel. When travelling or anchored disengage the red lever on the circuit breaker to cut power to the winch.

MAINTENANCE

After 3-4 trips, lightly spray the entire winch with CRC or Innox.

ELECTRICAL FAILURE

It is advised that a spare anchor, rope and chain is available on the boat so the anchor can be deployed for safety if the electrics fail.

Drum Capacity Standard Mode

Mini and Mini Extra Wide Stress Free:

- 75 metres of 8mm nylon plus 6 metres of chain OR
- 100 metres of 6mm double braid eye spliced to 5 metres of 8mm nylon and 6 metres of 6mm short link chain.

Midi Stress Free:

- 85 metres of 10mm nylon plus 8 metres of 8mm shortlink chain OR
- 110 metres of 8mm nylon plus 8 metres of 8mm shortlink chain OR
- 200 metres of 6mm double braid eye spliced to 5 metres of 8mm nylon plus 8 metres of 8mm shortlink chain

Maxi Stress Free:

- 85 metres of 10mm nylon plus 8 metres of 8mm shortlink chain OR
- 100 metres of 8mm double braid eye spliced to 5 metres of 10mm nylon plus 8 metres of 8mm shortlink chain

Mighty Stress Free:

- 170 metres of 8mm nylon plus 8 metres of 8mm shortlink chain OR
- 130 metres of 10mm nylon plus 8 metres of 8mm shortlink chain OR
- 100 metres of 12mm nylon plus 8 metres of 8mm shortlink chain

Operating Instructions

NG Series (Free fall) “Pat Pending”

How to get on your mark:

- Locate your fishing spot.
- Engage the circuit breaker to power up the winch.
- Push the down switch to displace the anchor from the Bow Sprit so you now have weight over the bow.
- Put the boat in reverse and switch the ACTUATOR SWITCH to the ON position. This disengages the drum off the drive system and allows the drum to free spool.
- The drum will continue to free spool at up to 600 feet/minute whilst there is weight pulling down. Once the anchor hits the bottom the drum will slow down then stop.
- With the winch in free fall mode, you can continue to idle back – the drum will continue to rotate freely until the boat is stationary.
- When you are happy with your position and on top of your mark, stop your boat then switch the ACTUATOR SWITCH to OFF.
- You must then lock the drum back into the drive system by inching the down switch – you will hear the drum lock back into the drive system.
- Now you are back to the features of the standard power up/power down Stress Free™.
- Disengage the circuit breaker to cut power to the winch.

You cannot power up or power down whilst in free fall mode - the anchor MUST go to the bottom. DO NOT TRY TO RE-ENGAGE THE DRUM on to the drive system until the drum has STOPPED free spooling.

Retrieving the anchor:

- Engage the circuit breaker to power up the winch.
- Start your engine, slowly move forward whilst pushing the UP switch.
- Continue to push the UP switch until you can see the chain – inch the switch to bring the anchor up and lock into the Bow Sprit.
- Disengage the circuit breaker to cut power from the winch.

DO NOT JAM THE ANCHOR IN TO THE BOW SPRIT

What to do if the anchor is jammed in to the Bow Sprit:

- Go to the front of your boat, put some pressure on the chain (place both hands firmly on the line of pull, push down to release some tension). This will release the gearbox and the winch will be back to normal operation.

SAFETY SWITCH

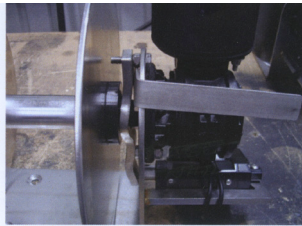
The Stress Free™ has a built in safety switch (circuit breaker) located on the switch panel. When travelling or anchored disengage the red lever on the circuit breaker to cut power to the winch.

MAINTENANCE

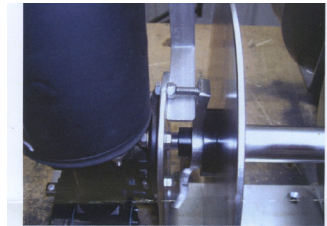
After 3-4 trips, lightly spray the entire winch with CRC or Innox.

ELECTRICAL FAILURE

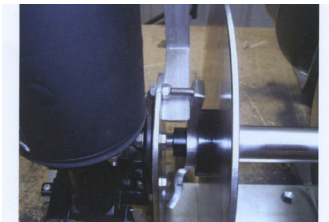
In the event of an electrical failure the drum can be mechanically put into manual freefall to allow the anchor to be deployed. Using the Free Fall Lever supplied with the winch, follow the steps below to manually deploy the anchor.



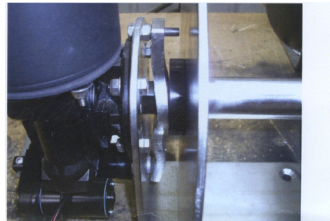
Step 1 Insert the flat side of the lever between the actuator arm and side plate of the winch (pic 1).



Step 2 Twist the lever as shown to push the drum off the drive system (pic 2).



Step 3 With the freefall lever in this position the drum is now in manual freefall (pic 3).



Step 4 Once the anchor is deployed and the boat is anchored securely, remove the freefall lever and the winch will lock back onto the drive system (pic 4).

Drum Capacity NG Series (Freefall)

Mini and Mini Extra Wide Stress Free:

- 70 meters of 8mm nylon plus 6 meters of 6mm shortlink chain OR
- 90 meters of 6mm double braid eye spliced to 5 meters of 8mm nylon and 6 metres of 6mm shortlink chain

Midi Stress Free:

- 65 metres of 10mm nylon plus 8 metres of 8mm shortlink chain OR
- 90 metres of 8mm nylon plus 8 metres of 8mm shortlink chain OR
- 160 metres of 6mm double braid eye spliced to 5 metres of 8mm nylon plus 8 metres of 8mm shortlink chain.

Maxi Stress Free:

- 85 metres of 10mm nylon plus 8 metres of 8mm shortlink chain OR
- 100 metres of 8mm double braid eye spliced to 5 metres of 10mm nylon plus 8 metres of 8mm shortlink chain

Mighty Stress Free:

- 170 metres of 8mm nylon plus 8 meters of 8mm shortlink chain OR
- 130 metres of 10mm nylon plus 8 meters of 8mm shortlink chain OR
- 100 metres of 12mm nylon plus 8 meters of 8mm shortlink chain

Trouble Shooting Guide

Spooling of the rope and chain:

◆ If there is a build up on one side of the drum

The winch has been installed off-centre. This means the centre of the drum has not been lined up on the centre lines between the bow sprit and the centre of the anchor well or the winch installation is not square to the bow sprit.

◆ On retrieval of the anchor

If the rope and/or chain jams on the baseplate of the winch you have over-spoiled the recommended capacity of rope and chain onto the drum.

◆ If your anchor fails to fall

When the down switch is activated, check that there is a natural force of gravity when the anchor is up and located in the bow sprit to displace the weight of the anchor over the front of the boat.

◆ If you over-run the rope and the rope spills over the side of the drum

Have a second person apply tension on the rope whilst you inch the winch in reverse. Continue this process until all of the rope is spooled back onto the drum.

◆ If the actuator malfunctions

Check and/or replace the 10 amp fuse in the fuse holder located at the back of the switch panel.

◆ If the actuator fails to stroke out to take the drum off the drive systems, spray entire winch with RC or Innox to dissolve salt build-up on the freefall mechanism.

Electrical operation of the winch:

◆ If the operation of the winch slows down – check that the batteries are charged or connect to a second battery. If your boat is fitted with dual batteries, have the battery switch on BOTH.

◆ If the drum spools only in one direction check the connections to the solenoid, motor, circuit breaker and battery.

◆ If your winch fails to operate check that the circuit breaker is switched on.

◆ If the anchor is stuck on the bottom and you hold your finger on the up switch, the circuit breaker will trip out. If this occurs, re-set the circuit breaker, drive your boat forward and retrieve the anchor.

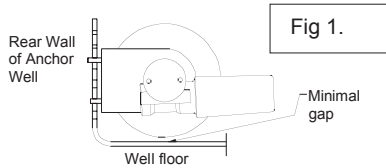
◆ If the actuator fails, check the fuse at the rear of the switch panel. Replace with a 10 amp fuse.

Installation instructions for Read all instructions before com

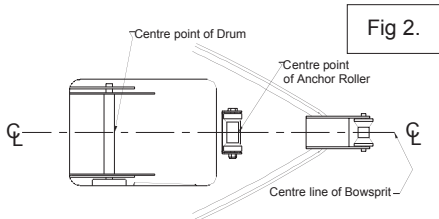
Step1

Selection of the mounting position

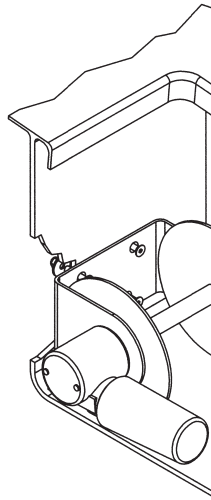
a. The ideal location for the winch is either on the bulkhead at the rear of the anchor well, or if the structure is suitable, on the floor of the well.



b. Position the winch as low as is practical on the bulkhead (see fig 1.), making sure the winch drum is centred exactly on the centreline of the bowsprit. See fig2.



c. With the limited space available in some anchor wells, it may provide a better fit if the Motor/Drive unit is mounted to the winch vertically. This is easily achieved by removing the screws attaching it to the Mounting Bracket and rotating the Drive unit to the desired position. Reassemble the mounting screws.



Important N
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Step2

Attaching the Winch to the Bulkhead

- Once the mounting position has been accurately determined, mark the bolthole positions using the Mounting Bracket base as a template.
- Drill the mounting holes with a Diam. 10mm drill bit.
- Bolt the unit to the bulkhead using M10x40mm Stainless Steel Countersunk Set Screws, with 10mmx38mm Stainless Steel Washers and M10 Nyloc Nuts. See fig 3.(Put grease or neverseize on the bolts to stop them binding)

M10 Nyloc Nut

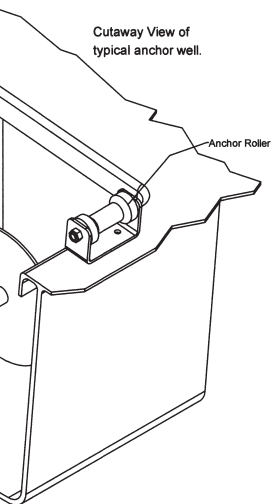
Reinforcing Wash

the Stress Free™ Finishing the installation

Step 3 Electrical Installation

A wiring diagram for the winch, battery, and switch panel is attached, but the following points are important to get the best out of your Stress Free Winch.

- Install the solenoid under the dash, or as near as possible to the circuit breaker. (must be positioned where it can't get wet)
- Fit the Switch Panel to the dash on the left of the steering position. This allows easy operation of the winch while steering the boat.
- Attach the main power cable to the battery switch on the common terminal (marked 'BOTH').
- Once the installation is complete, test the direction of drum rotation. If it is not turning in the desired direction, swap the position of the two outside push on terminals on the solenoid to reverse the direction of the drum.



Step 4 Finishing off.

- Fitting a Stress Free Anchor Roller just in front of the anchor well will protect the boat from damage from the anchor chain.
- It may be necessary to cut the hatch cover to ensure a smooth feed of the anchor rope and chain onto the winch drum. If so, the cut should match the width and diameter of the roller.
- Spray the electrical terminals and connections of the winch motor with a suitable protective coating or marine grease.

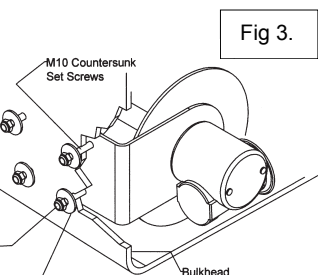
Step 5

Fitting your rope.

Thread the rope through the ring on the central tube of the drum, wrap twice and splice to main leader to secure.

Note:

As about the strength of the bulkhead, it is recommended to add an 8mm thick aluminium plate on the opposite side of the bulkhead to spread the load. Contact your boat manufacturer for advice.



Trouble shooting

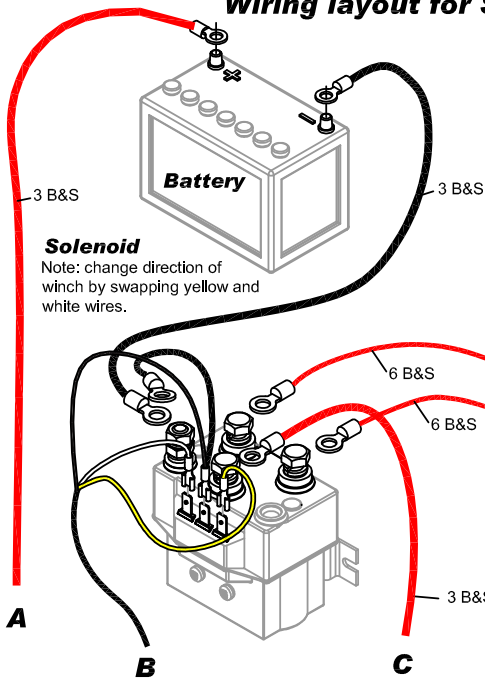
If the winch is slow when operating:

- Check that the batteries are charged.
- Put the battery switch to both batteries.

If the circuit breaker trips when trying to recover a stuck anchor, reset the circuit breaker and drive the boat forward to retrieve the anchor.

First time you use your winch let most of the rope off the winch and let the winch pull the rope onto the drum without the aid of your boat.

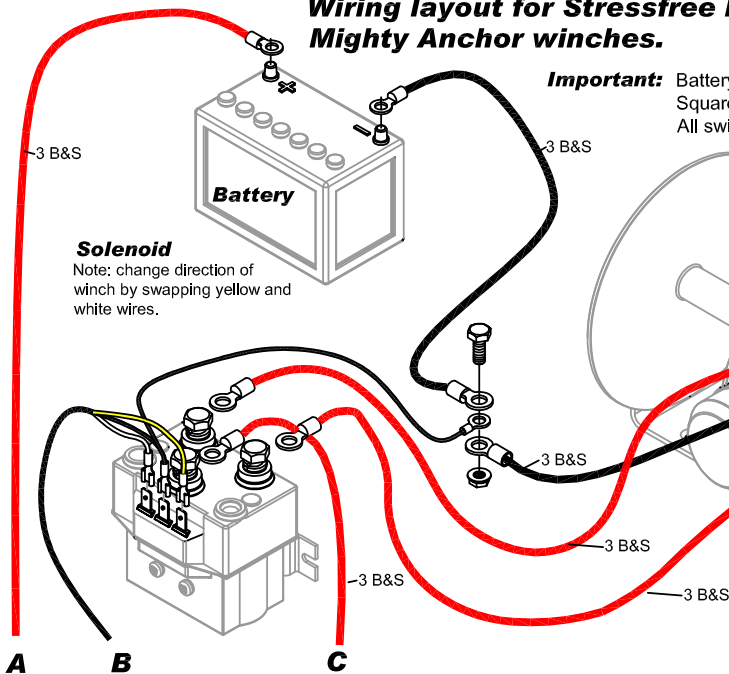
Wiring layout for Stressfree Mini Anchor winch



Streefree Anchor Winch Mini

Important: Battery cable must be 3B&S or 25 Square.
Motor Cables 6 B&S or 16 Square.
All switching wires 3mm.

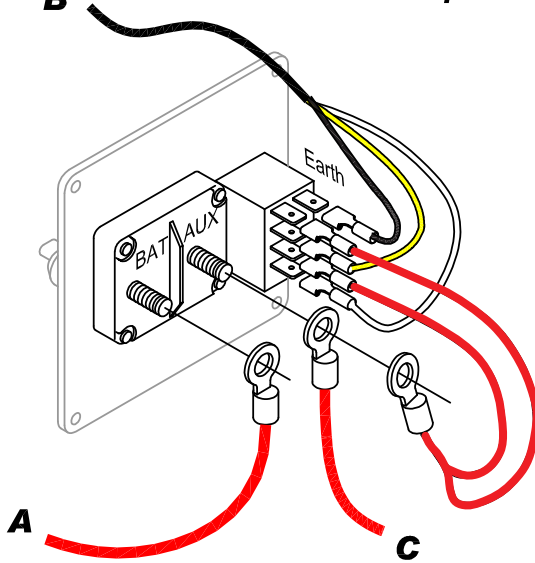
Wiring layout for Stressfree Midi, Maxi and Mighty Anchor winches.



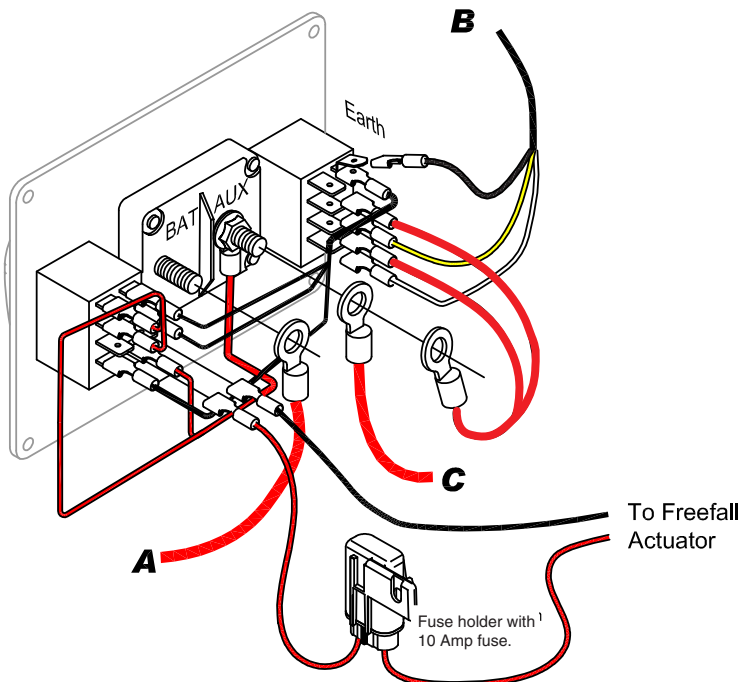
Winch

Important: Battery cable must be 3B&S or 25 Square.
All switching wires 3mm.

Wiring arrangement for all standard winch switch panels



Wiring arrangement for all NG(free fall) winch switch panels



Warranty

Stress Free™ Marine Pty Ltd (“SFM”) provides a three year limited warranty on all windlasses for pleasure boat usage, and a one year limited warranty for those systems used on commercial or charter vessels. Warranty, service and parts are provided via our factory located in Lonsdale, South Australia.

The warranty and the contract between you and SFM, is subject to the following conditions and limitations:

1. The products [Stress Free™ Anchor Winch] are warranted to be free from defects in material and workmanship.
2. If a product is suspected of being defective due to a manufacturing fault (defect in material or workmanship), you must within 7 days of noticing the suspected default return the product to SFM.
3. The warranty will be null and void if
 - a) The products are serviced, repaired or maintained improperly or by unauthorised persons, or irregularly.
 - b) Loss or damage is attributed to any act, matter or omission beyond the reasonable control of SFM .
4. SFM’s liability shall be limited to repair or replacement (as determined by SFM in its absolute discretion) of the goods or parts defective in materials or workmanship.
5. This warranty does not cover and SFM shall not be responsible for any loss, damage, harm or claim attributed to:
 - a) Use of the products in applications for which the products are not intended.
 - b) Corrosion, wear and tear and improper installation;
 - c) Unauthorised repair or modification;
 - d) Improper use of the product; and
 - e) Accident or natural disaster.
6. SFM will not be responsible for any freight or shipping charges associated with any warranty claims.
7. SFM will be responsible for installation labour costs associated with any approved warranty claim.
8. To the extent permitted by law, all warranties by SFM concerning the products implied by law are excluded.
9. To the extent permitted by law, all liability for any special, incidental, indirect or consequential damages of any type to any vessel, equipment or other property or persons, due to use or installation of SFM equipment is excluded.
10. No representative of SFM has authority to make any representation, promise or agreement to or with you, that is inconsistent with this warranty.
11. To be eligible for warranty protection please complete the form attached within 14 days of purchase, fill out by hand and post to:

Stress Free Marine Pty Ltd
PO Box 275
Lonsdale
South Australia 5160



PO Box 275
Lonsdale
South Australia 5160
Phone: +61 8 8382 5283 • Fax: +61 8 8382 5282
Email: sales@stressfreemarine.com.au

Name:
Address:

Contact Numbers: Home: Work:
Mobile: Facsimile:

Email Address:

Supplier: Name:
Address:
Telephone: Facsimile:

Were you happy with the service supplied by the supplier?

Winch Model:	Standard	Mini	Midi	Maxi	Mighty
	NG Series	Mini 500	Midi 1400	Maxi 1400	Mighty 1700

Date of purchase:

Boat Name: Boat Type: Built by:

The reason for choosing a Stress Free Winch.

Does the winch meet your expectations?: Yes No
Comment:

Thank you for completing this form.
Dean and Shauna Forster
Stress Free™ Marine



Cut here and return for Warranty



Barclay-Phelps

CE Marking Consultants

Barclay Phelps CE Marking Consultants Atlantic House College Lane Gibraltar EU

CERTIFICATE & DECLARATION OF CONFORMITY FOR CE MARKING

Certificate Number: CE08DC1544

Company contact details:

Stress Free Marine Pty Ltd.

Unit 4, 12 Chrysler Road, Lonsdale, South Australia 5160

Tel Intl +61 407717900 AU 0407717900 Fax Intl +61 8 83825282 AU (08) 83825282

Email: stressfreemarine01@bigpond.com Web: www.stressfreemarine.com.au

Stress Free Marine Pty Ltd. declares that their:

12 Volt Anchor Winches

Standard Stress Free Series 1. Mini Stress Free 2. Midi Stress Free 3. Maxi Stress Free 4. Mighty Stress Free
NG Series 5. NG Series Mini 500 6. NG Series Midi 1400 7. NG Series Maxi 1400 8. NG Series Mighty 1700

are classified within the following EU Directives:

EU Machinery Directive 98/37/EC & 2006/42/EC

EU Electromagnetic Compatibility Directive 89/336/EEC + A:2004/108/EC

and further conform with the following EU Harmonized Standards:

EN 1037:1995 EN ISO 14121-1:2007 EN 60204-1:2006

EN 12100-1:2003 EN 12100-2:2003 EN 61000-3-2:2006

Dated: 12 November 2008

Position of signatory: Managing Director

Name of Signatory: Dean Robert Forster

Signed:

p.p. Stress Free Marine Pty Ltd.

Rope strength comparison chart – Break Load (approx) kg

Rope Diameter	Silver	Nylon (3 strand laid)	Double Braid
6mm	330	750*	1000*
8mm	540	1350*	1600*
10mm	790	2080*	1900
12mm	1090	3000*	2600
14mm	1350	4100*	3000

** Manufacturer's recommendation 3 Strand Nylon or Double Braid*





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