

The Right Winch Post & Winch Platform

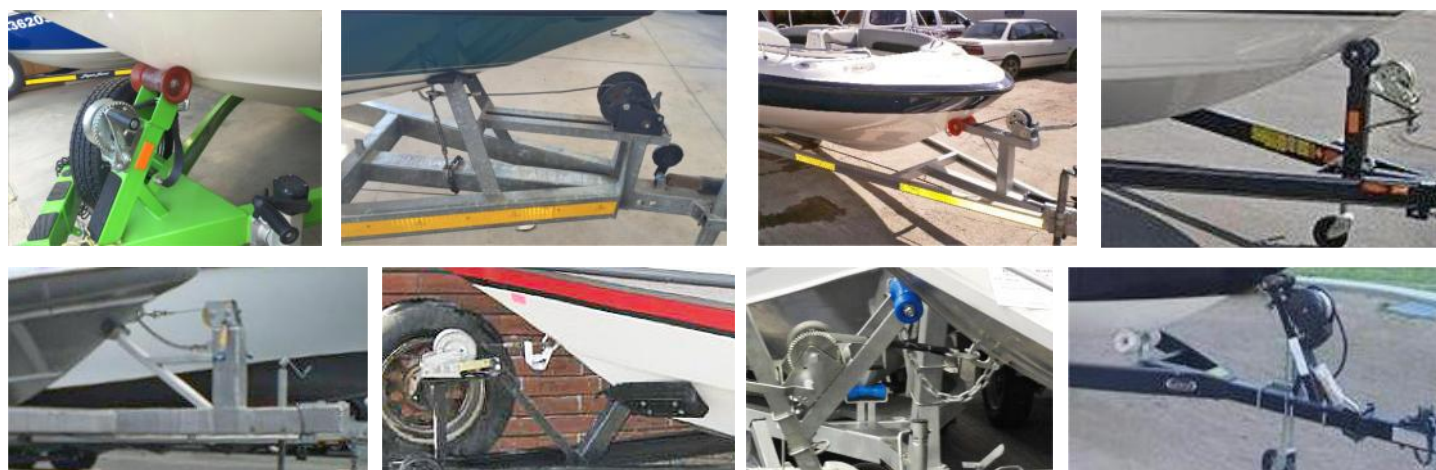
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There is an incredible range of trailers with varying types of winch posts and platforms. In Australia and America there are a wide range of choices from trailer suppliers, however in some other countries, choice is poor and adjustability is limited or not available.

To help here the following gives the ideal set-up you need for a range of boat types. You can print this off and take it to your trailer supplier with the comment - "this is what I need mate, what have you got in your range that suits ?".

We have major trailer manufacturers who do produce set-ups designed to suit, however in places and countries where choice is very limited we have attached a design that covers most boat types. This can be used as a guide for selection of a winch post and/or winch platform, or as a template to produce one.

Examples of some odd set-ups ...



For more information :- www.boatlatch.com

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The Latch should hit the Snare at the right angle for good operation.

3**Checking the Latch/Snare Angle**

A Simple method of checking the Latch/Snare Angle

4**Winch Post and Winch Platform**

Suggested optimum to cover most boat trailers

5**Mounting on the 4 main boat types**

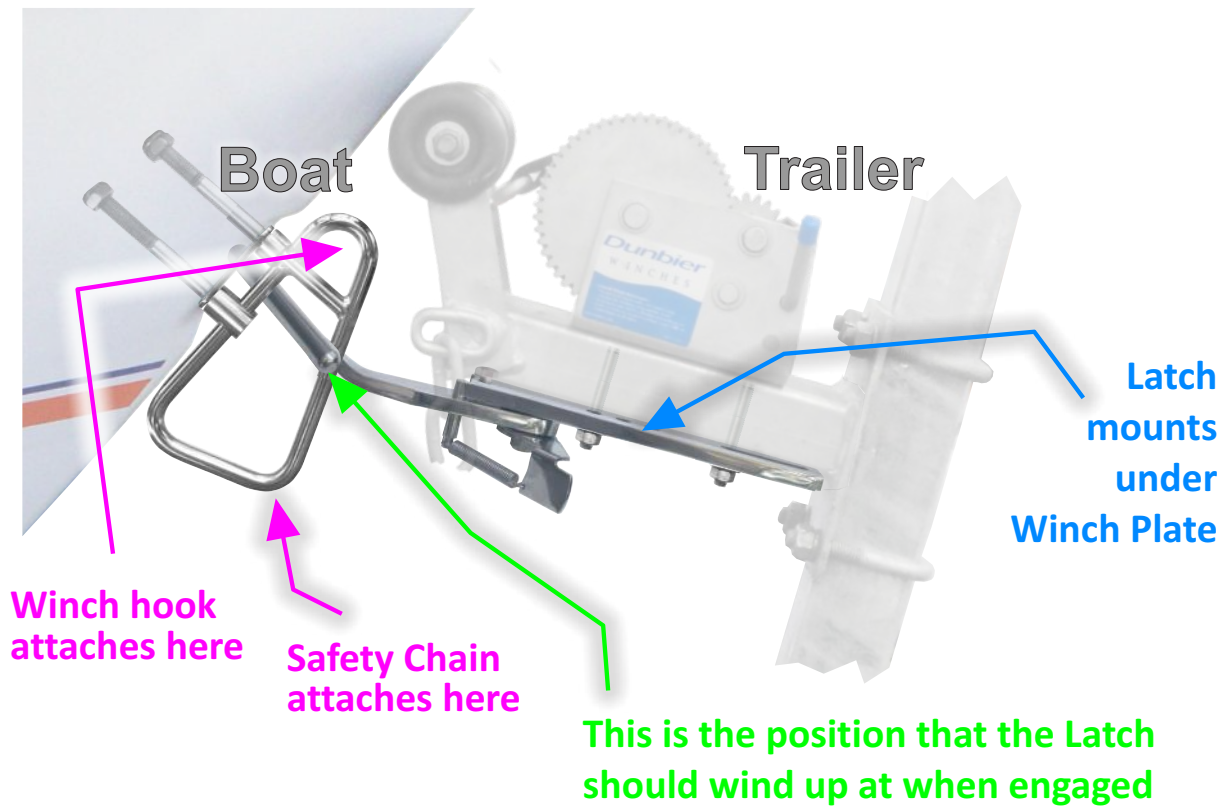
- Jet Ski
- Fibreglass Boat
- Aluminium Boat
- Ski Boat

6**Design Details**

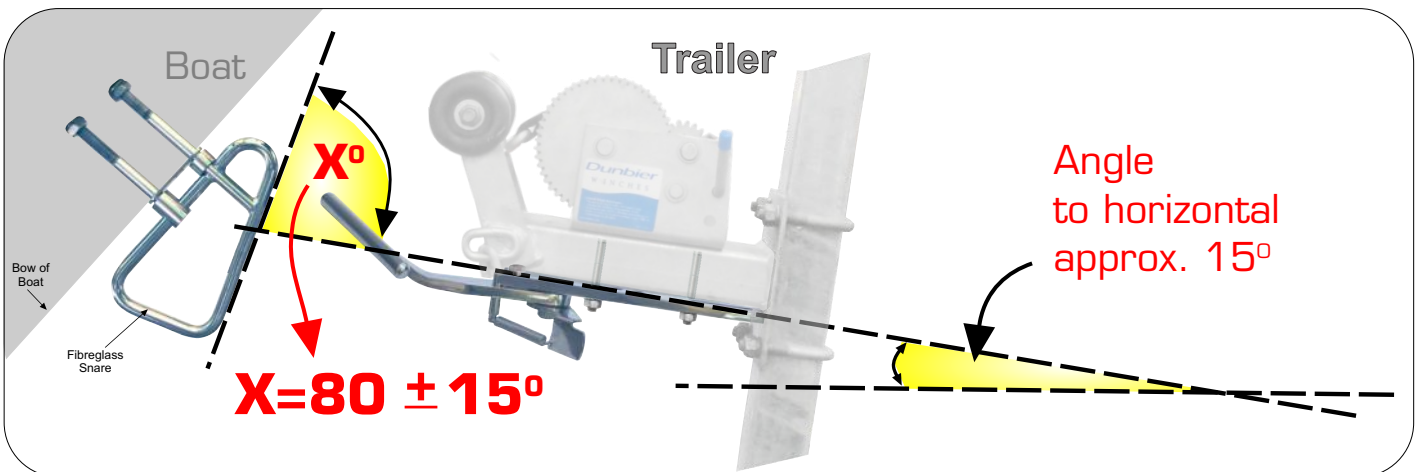
- Winch Post
- Winch Platform



1 Where Things Go



2 The Right Angle of the Latch to the Snare



The key issue in getting good performance with the L & R Boat Latch is to have the correct angle where the Latch meets the Snare.

You need to roughly measure this angle. If it is not right you can adjust it using the "Wedge Kit" or change the winch plate or the winch post to a different type. See 'Before You Install' document for more details.

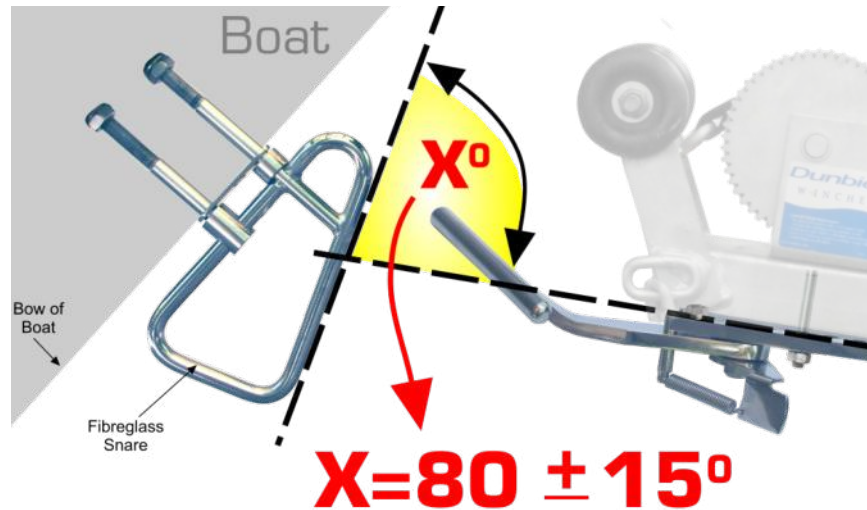
Patented

3

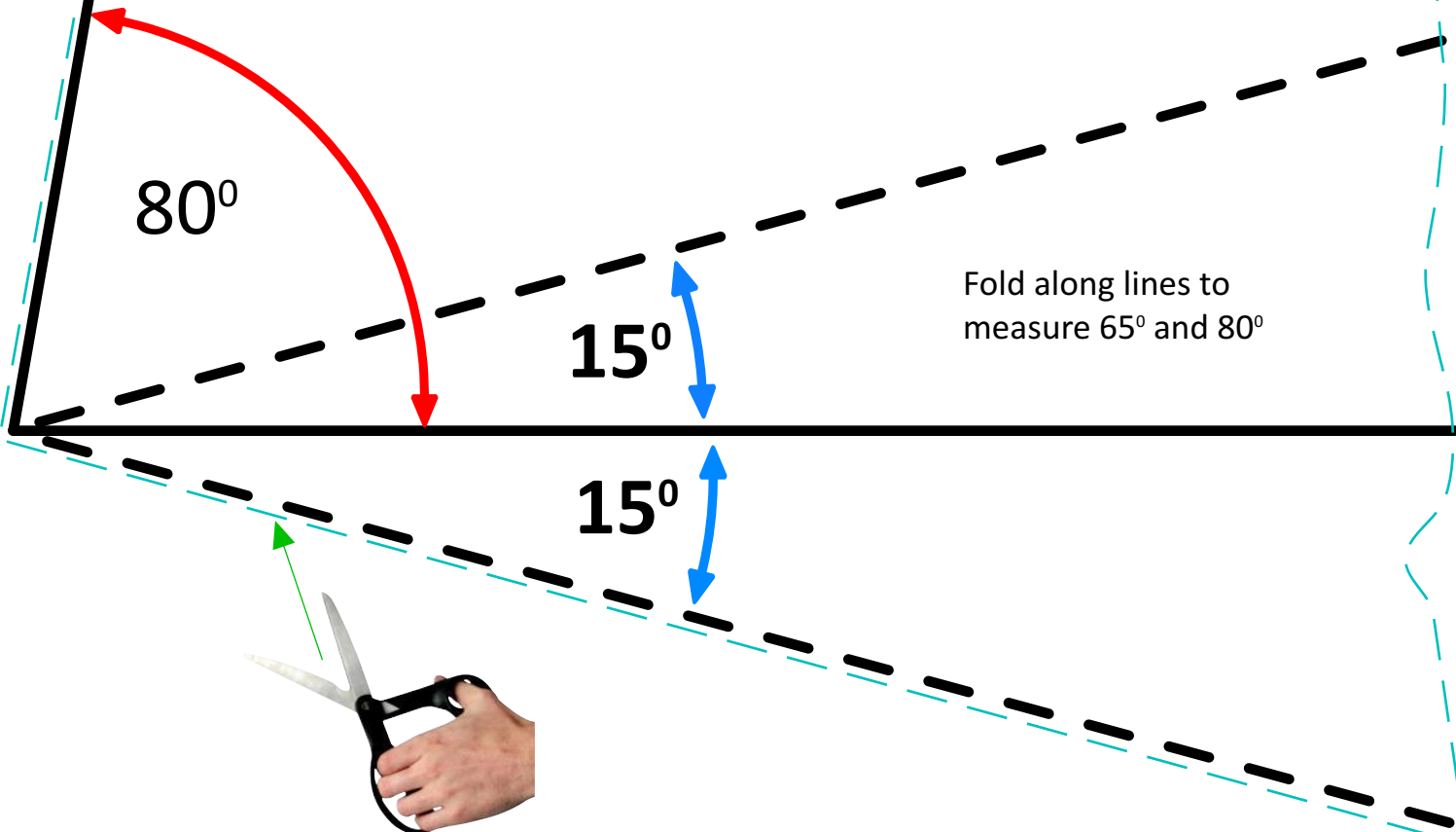
A Simple Way of Checking the Latch to Snare Angle



Paper cut out to measure angle.
Use scissors to cut where shown.



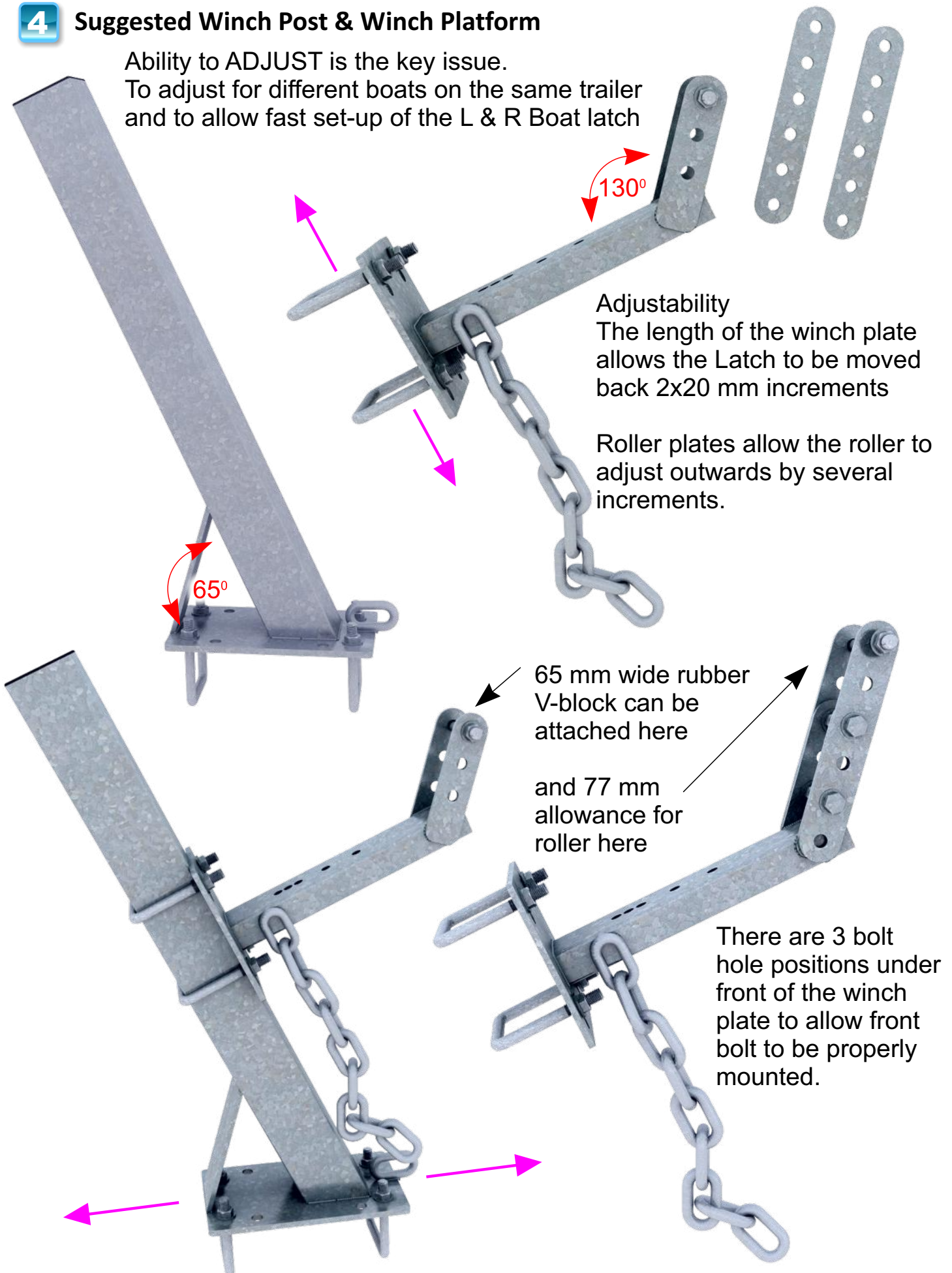
- (1) Cut out the following the green line shown
- (2) Use shape to determine angle
- (3) Fold up or down the 15° sections to cover 65° (fold up) and 95° fully extended

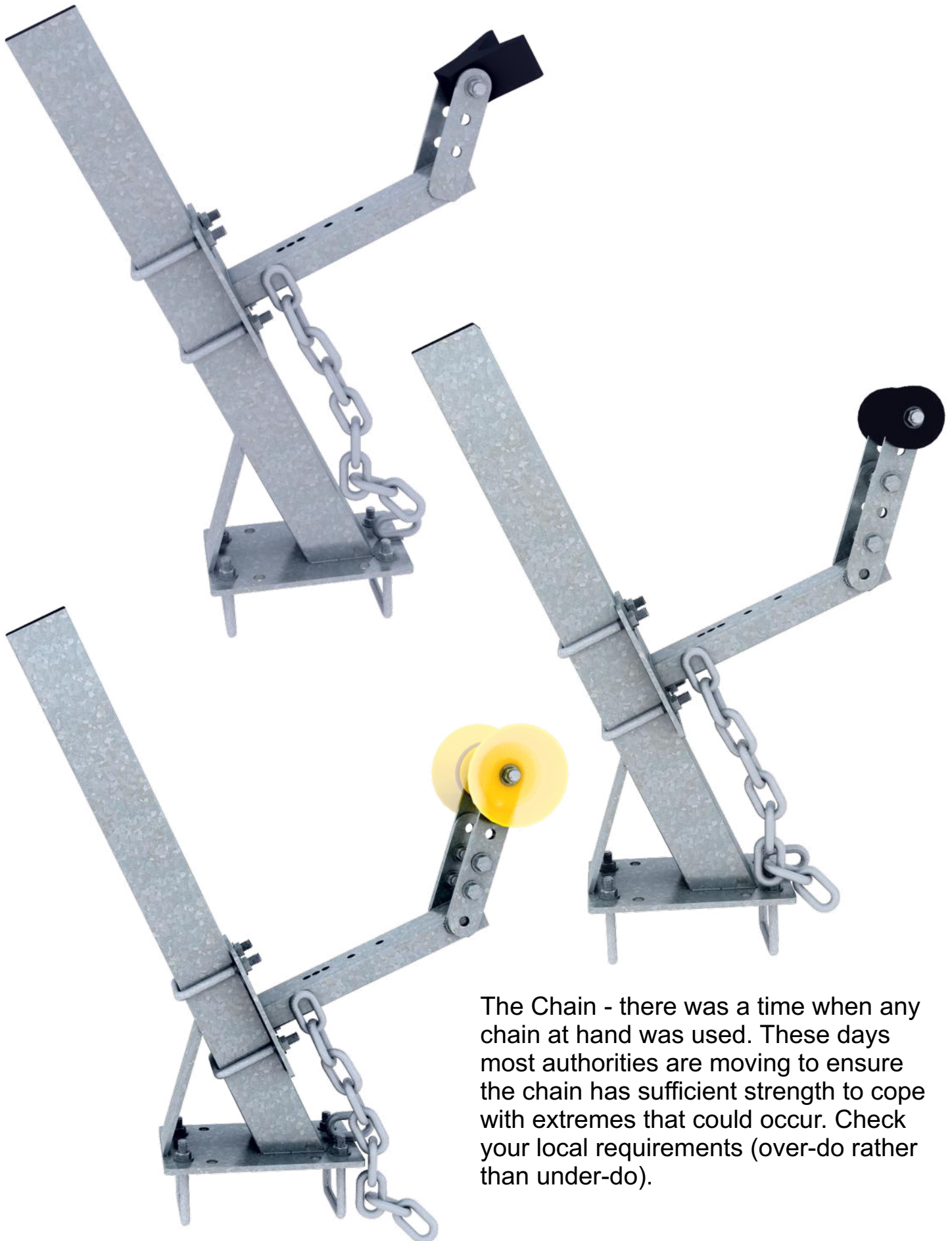


4 Suggested Winch Post & Winch Platform

Ability to ADJUST is the key issue.

To adjust for different boats on the same trailer and to allow fast set-up of the L & R Boat latch



4 Suggested Winch Post & Winch Platform continued

The Chain - there was a time when any chain at hand was used. These days most authorities are moving to ensure the chain has sufficient strength to cope with extremes that could occur. Check your local requirements (over-do rather than under-do).

5 Mounting on the 4 Main Boat Types

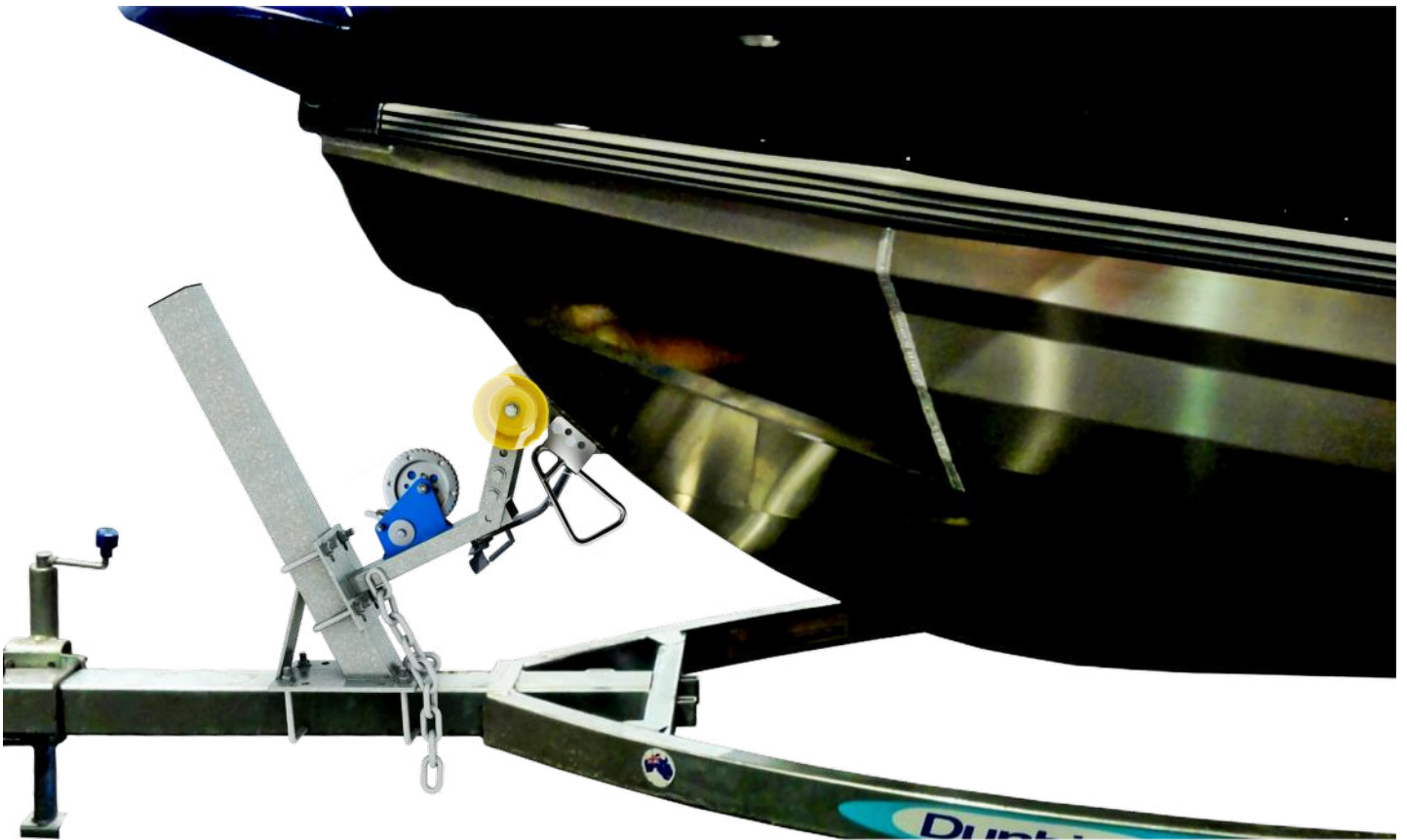
Jet Ski Boat



Fibreglass Boat



Aluminium Boat

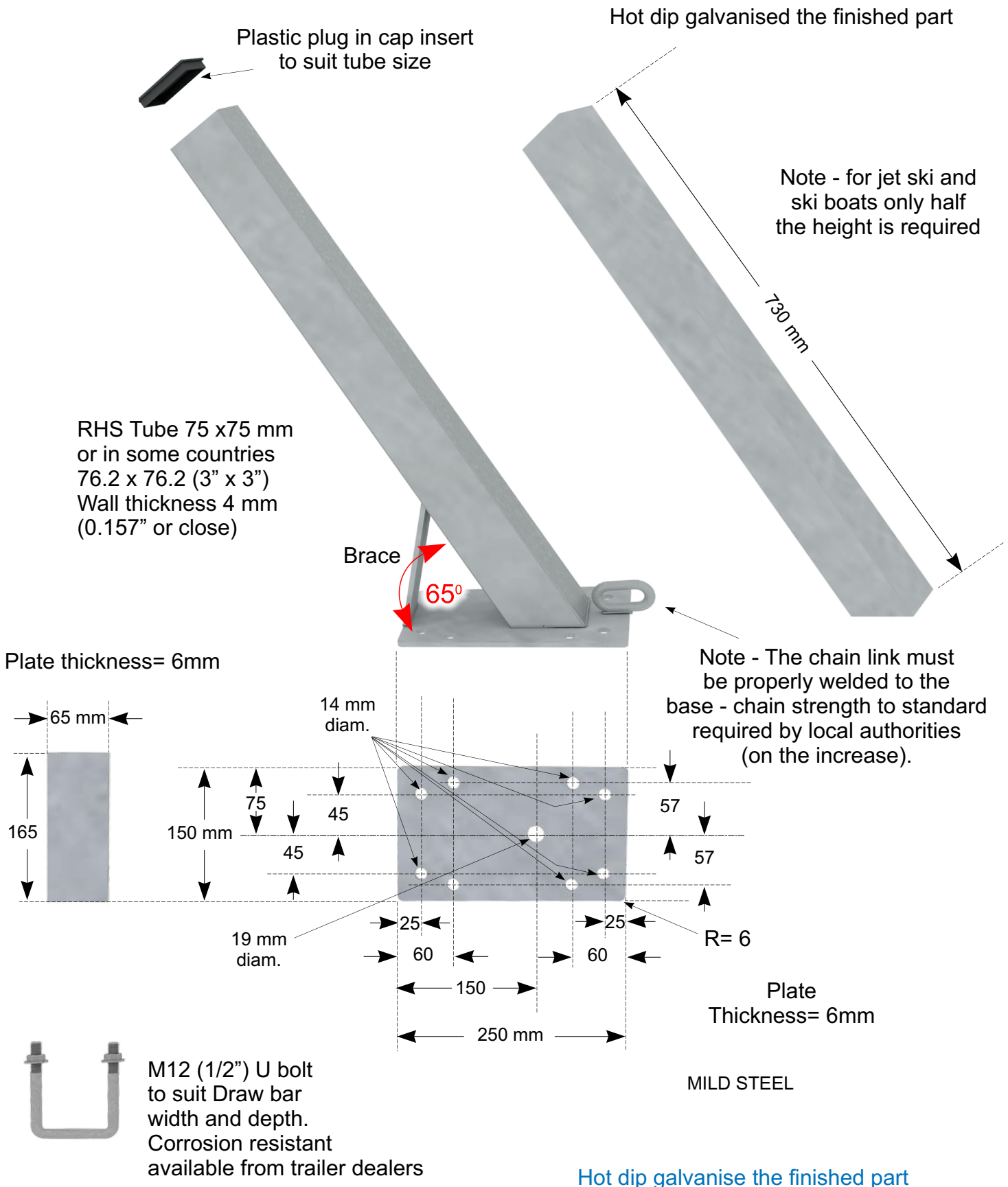


Ski Boat

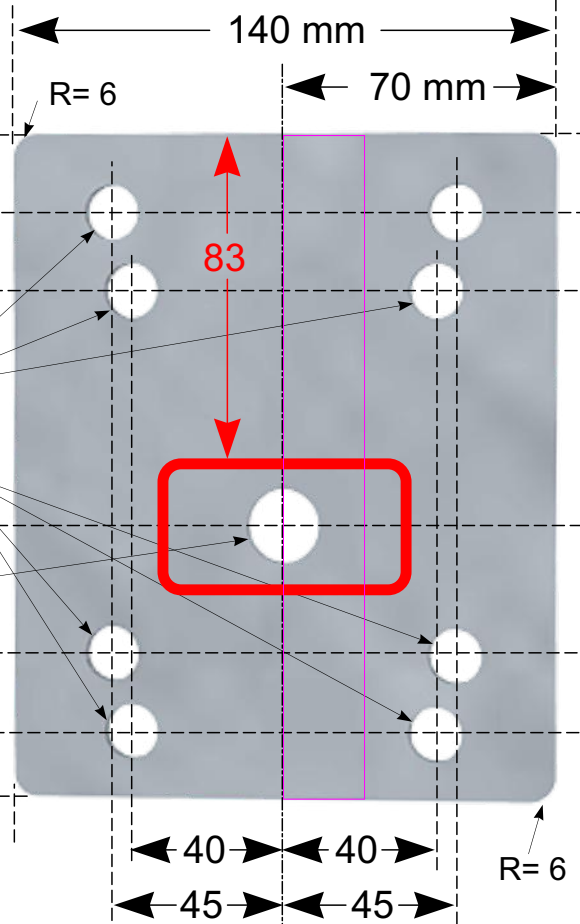
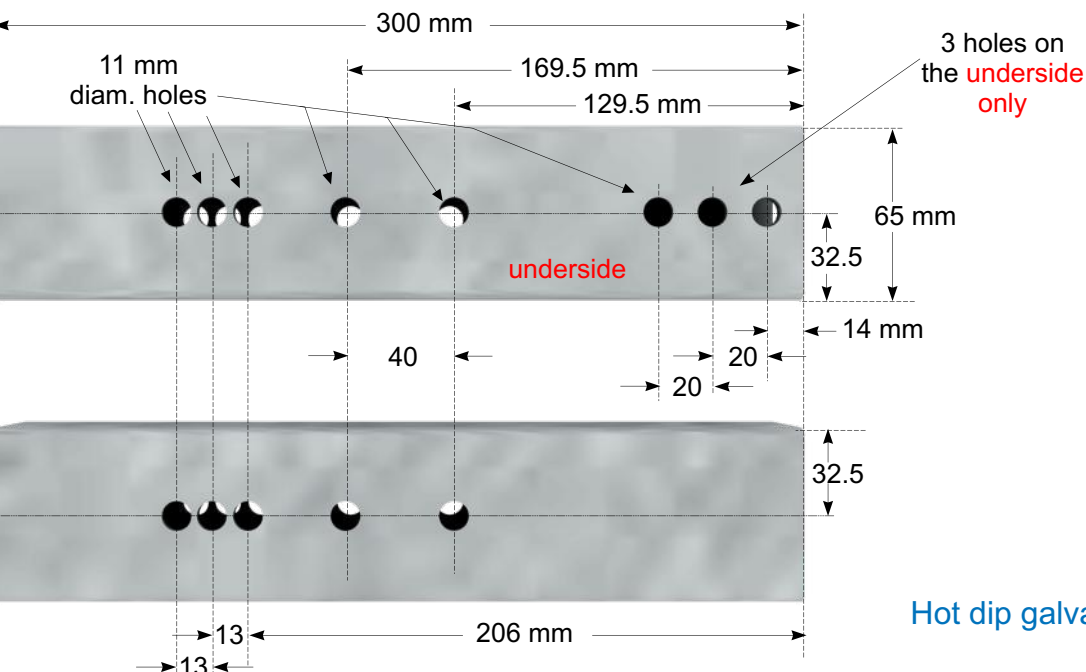
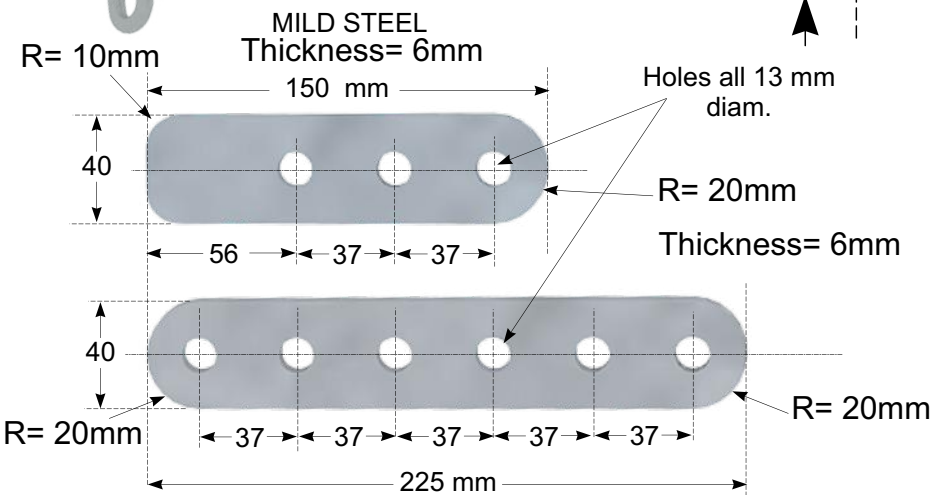


Adjusting the roller under the front of the boat - a key variable effecting the position of the winch plate on the winch post.

6 Design Details - Winch Post



5 Design Details - Winch Platform



RHS tube 65 x 35 mm min.
(2.5" x 1.5") thickness of 4 mm
(0.157" or close).
Case to brace this section for
larger boats (on the top side).

M12 (1/2") U bolt
to suit Draw bar
width and depth



Gal. 12mm
(1/2 ") bolts
length 25 mm
(1")

Hot dip galvanise the finished part