RAPID MARINE

Hold Up

An adjustable lifting sling for PWC's that won't let you down

For Spark 2024 Models

for the perfect fit



www.rapidmarine.co.uk

Contents

3 Disclaimer
4 Proof Load Test
5 Operating Instructions
8 The Kit
9 Attachment Bracket Positioning
14 Fitting The Brackets
17 Attaching the Sling
19 EU Declaration of Conformity



Read the instructions thoroughly. They have been written to help you install the attachment brackets and the lifting sling safely and correctly.

Rapid Marine Limited cannot accept any responsibility for damage to your PWC, yourself or any third party by incorrect use of these instructions.

Label

The sling identifying label is located on the Forward (FWD) Starboard (Green) leg of the sling assembly, directly behind the adjustable buckle.

Annual Visual Inspection

Within The UK It is a legal requirement for the sling to have a thorough examination at a minimum of 6 months.

Outside The UK

The sling is to be tested in conjunction with the current legislation of the country in which the sling is being tested.

This sling and the attachment brackets have been designed for lifting PWC's only and are not to be used for anyother purpose

Rapid Marine Limited recommend that once the brackets are fitted, an independent proof load test be carried out by a recognised test centre (see table below)

Sea-Doo Model	Weight of PWC	Half tank of fuel	Load to be applied	Proof load weight
Spark 2 seater	200kg	15L	54kg	269kg
Spark 3 seater	207kg	15L	55kg	275kg



Always

- Store and handle the sling correctly.
- Inspect the sling and fitting before use and before putting into storage.
- Ensure the sling is securely attached to the PWC.
- Ensure the PWC is balanced and will not tilt or fall.
- Keep fingers and toes etc. clear when tensioning the sling and when landing the PWC.
- Ensure the PWC is free to be lifted and has not been secured to the deck.
- Make a trial lift and lower to ensure the sling is fitted and attached correctly.

Never

- Attempt to knot or tie the webbing sling.
- Expose the webbing sling to direct heat or flames.
- Use the the webbing sling at a temperature above 80°C or below 0°C.
- Expose the webbing sling to any chemicals.
- Shock load the webbing sling.
- Use the webbing sling if it is cut, or has loose or damaged stitching.
- Use the sling with a missing or damaged label or illegible markings.
- Exceed the maximum sling angle (45° to vertical)
- Exceed the Safe Working Load of the webbing sling.
- Leave the PWC suspended or unattended.

This product is not designed for, or to be used for "man riding"

IMPORTANT

If for any reason any of the ATTACHMENT HANDLES do not engage correctly, **DO NOT** under any circumstances lift the PWC and report this to a competent person.

Operative Training

The sling should only be used by trained operatives.

Operating Method

Attach the sling to the PWC first by inserting the ATTACHMENT HANDLES into the correct ATTACHMENT BRACKETS and rotate 90 degees.

Once attached and you are satisfied it is safe to lift the PWC, attach the sling to the lifting hook of the crane.

Before Use

- The sling is to be inspected for any defects and to ensure the identification and specifications are correct.
- If the sling is unidentified or defective, it should not be used but should be reported to a competent person.
- All fixtures and fittings should be checked to ensure they are tight and secure.
- Ensure that the PWC is free from any storage fixings.

During Use

- Keep fingers and toes etc clear, ensuring they do not become trapped when lifting or lowering the PWC.
- Where appropriate use a tag line to control the load.
- Frequent checks should be made to the webbing sling for defects and damage. These checks should extend to attachment brackets.

After Us

- The webbing sling and all metal components should be inspected.
- Any damage is to be reported to a competent person immediately.

Storing

- **After each use the sling is to be washed with fresh clean water and allowed to dry naturally.**
- **Never force dry the webbing sling.**
- **All stainless steel fittings are to be treated with a water repellent liquid.**

The Kit

Your Rapid Marine PWC Adjustable Lifting Sling Kit consists of

1 x Drill Bag containing
1 x Template plug
1 x 3mm drill bit
1 x 6mm drill bit
1 x 22mm drill bit

1 x Fixing Bag containing
10 x Nuts
10 x Bolts
10 x Anti Vibration Washers
+2 Spares

Attachment Brackets

(Illustration purposes only)



2 x LEFT Hand Brackets (A)



2 x RIGHT Hand Brackets (B)



4 x Backing Plates

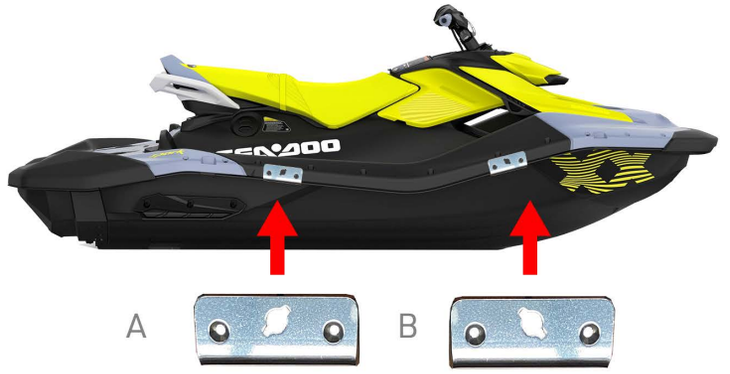


1 x Adjustable Sling
1 x Storage Bag

You will require

- Tape measure
- Masking tape
- Pen/Pencil
- 10mm spanner
- 4mm allen key

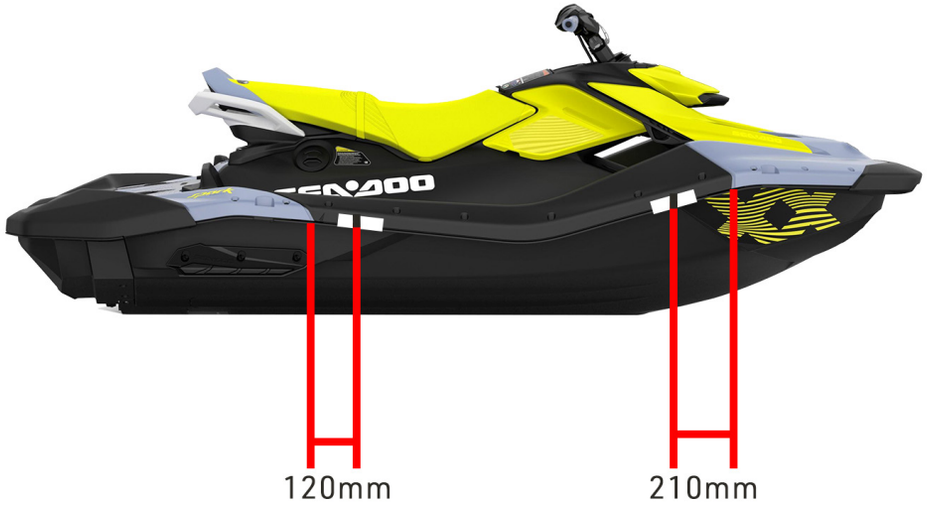
Attachment Bracket Positioning





Attach the brackets (A+B) in the correct position as illustrated. This will ensure the black bungee elastic is tight and the attachment handles face inwards and do not rotate if hit by a wave when lifting.
It is important to ensure the attachment handles are facing in the correct direction before lifting. ***Failure to follow these instructions could damage the lifting mechanism and create a potentially dangerous lift.***
You will need to apply a sealant to all holes to avoid water getting into the GRP.

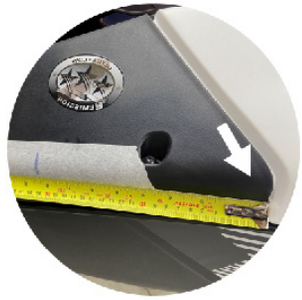
Bracket positioning for 2024 SeaDoo Spark:





Back

Measurements:
Ensure you are measuring from the ridges at the front and back of the jet ski. Measurements can vary +/- 20mm.



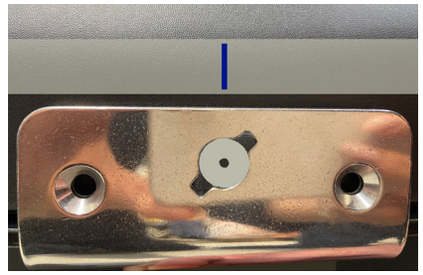
Front

Jetski's stored on deck:
When lifting height is not an issue. Fully lengthen the slings to the maximum length then adjust for the perfect fit.

Attachment Bracket Positioning

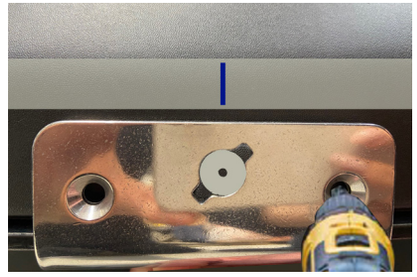
STEP 1

Insert the template plug into a bracket and then place it in the correct position, with the key hole in line with the mark on the tape.



STEP 2

Holding the bracket up tight to the underneath of the moulding, use the 6mm drill bit to make a hole, being careful not to push too hard.



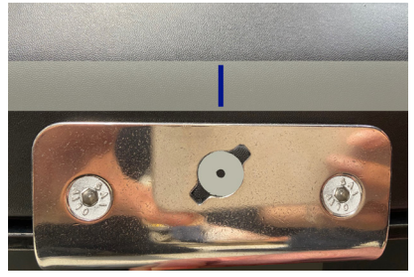
STEP 3

Insert a 6mm bolt in to the hole. This is only temporary, so there is no need to attach a nut.

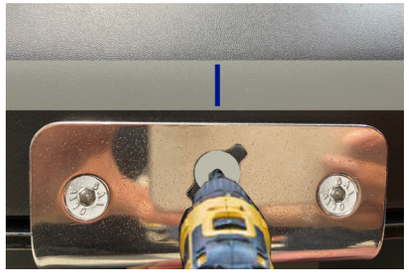


STEP 4

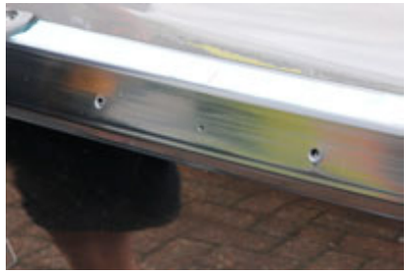
Ensure the bracket is up tight to the moulding, and repeat the process for the other hole.



STEP 5
Using the 3mm drill bit, make a pilot hole through the template plug.



STEP 6
Remove the bracket revealing the 3 holes.



STEP 7
Using the 22mm drill bit, make a hole about 8mm deep in the 3mm pilot hole.



STEP 8
You are now almost ready to attach the bracket.



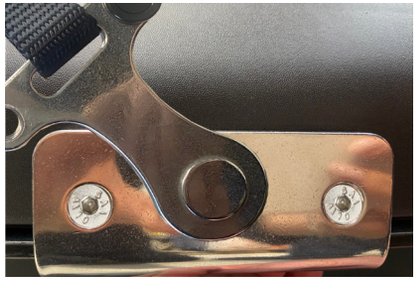
Step 9
You need to check the hole has been drilled deep enough. Replace the bracket and push the 6mm bolts into the holes without attaching the nuts.



STEP 10
Insert the attachment handle ensuring it is a tight fit to the attachment bracket.



STEP 11
Rotate the attachment handle through 90 degrees ensuring it moves freely.



STEP 12
Once satisfied, attach the backing plate, washers and nuts as supplied in the fitting kit.



Each leg of the sling is colour coded Port (RED) and Starboard (GREEN) and marked Forward (FWD) and Aft (AFT) to ensure it is attached in the correct position.

PORT SIDE



*illustration purposes - not a Seadoo Spark

STARBOARD SIDE



Attaching The Sling



Lay the sling over the PWC with the RING ASSEMBLY on the seat and each leg of the sling in the correct position. Attach both legs of the same side first. You will need to lengthen the sling for this to happen. Make the sling as long as possible and do not exceed the maximum sling angle (45 degree to vertical) , as illustrated above.

Note: The legs of the sling must lay flat and not be twisted.

Leaving the sling attached, repeat on the other side.
Slowly lift the PWC. It will either be bow up (which indicates the forward legs of the sling need to be lengthened) or bow down (which indicates the rear legs of the sling need to be lengthened). By simply adjusting the correct legs of the sling you will get the PWC level.
Once the PWC is level, slide the silver plastic clips up tight to the stainless attachment ring.

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