



USER AND INSTALLATION MANUAL

# Baybring QR 250 Special

Swivel davit for tenders, RIBs and jet skis · capacity 300 kg

English · version 2026-10-06

**// BAYBRING**

by Speedshine · Sweden

[speedshine.se](https://speedshine.se)

# Before you start

Baybring QR 250 Special · capacity 300 kg · version 2026-10-06

Important

- **The capacity is 300 kg. Never exceed it.** Include the outboard, fuel and everything on board.
- **The swim platform must carry the load.** Speedshine does not assess its strength and is not responsible for it or for the installation. If in doubt, ask the boat builder or a boatyard. Reinforcement is sometimes needed.
- **Never attach the tie-down straps to the cradle.** It is not designed for the loads that can occur. Use the eye bolts on the mounting plate.
- **The winch does not secure the tender.** Vibration can make its brake slip. The tie-down straps hold the tender when the boat is under way.
- **Do not push on the winch arm** while winching. It carries the winch, not the tender.
- **Lock the cradle with the locking bolt** when the boat is under way, especially when the cradle is empty.
- **Measure three times before you drill.**
- Handle the product with care, to avoid injury and damage.

## Included

### PACKAGE 1, QR 250

- The cradle, white or black, with base plate, pivot bolt and keel roller
- The mounting plate, 340 × 340 mm
- The winch arm in two parts, straight and curved, with locking pin
- The winch, standard or stainless, as ordered
- Two mounting points, each with backing plate, bolts, washers and lock nuts
- The bolts that fix the mounting plate to the mounting points

### PACKAGE 2, SPECIAL KIT

- The special plate, 635 × 340 mm
- A third mounting point with backing plate, bolts, washers and lock nuts
- Bolt kit

The plastic mounting plate in package 1 is not used with Special. It is replaced by the special plate in package 2.

### ALSO INCLUDED

- Eye bolts for the tie-down straps
- A locking bolt

## Not included, but you will need

- Tie-down straps, available as accessories from Speedshine
- Sikaflex or a similar sealant
- Grease or anti-seize paste for the threads
- Drill bits, 22–24 mm and 8–10 mm, tape measure, pencil and suitable spanners

## Key dimensions

|                                         |                                             |
|-----------------------------------------|---------------------------------------------|
| Capacity                                | 300 kg                                      |
| Platform inner edge to cradle centre    | at least 900 mm                             |
| Plate overhang beyond the platform edge | max. 290 mm                                 |
| Mounting plate                          | 635 × 340 mm, 20 mm thick                   |
| Mounting points                         | three, in a triangle, see the drawing       |
| Holes for each mounting point           | one hole Ø 22–24 mm and two holes Ø 8–10 mm |
| With the plate removed                  | mounting points 5 mm high, no sharp edges   |

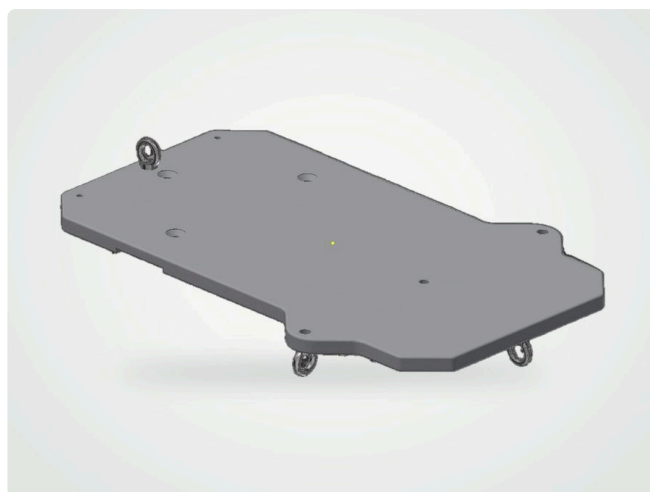
# How the parts fit together

From the bottom up, from the swim platform to the winch.

- ① **The mounting points** sit in the swim platform: the mounting base on top and the backing plate underneath, with bolts, washers and lock nuts. With everything else removed, they are all that shows, standing 5 mm proud.
- ② **The mounting plate** is bolted to the mounting points, with one bolt in the centre of each.
- ③ **The cradle** sits on a base plate. The **pivot bolt** goes through the base plate into the mounting plate, and the cradle turns on it.
- ④ The cradle **tilts** against the base plate on a **hinge**, down towards the water when the tender goes up or down.
- ⑤ **The winch arm** has a straight and a curved part, joined with a **locking pin**. The straight part goes into the **square tube** on the cradle. It bottoms out there, but it is not fixed and can be lifted out. The winch sits at the top of the arm.
- ⑥ The **special plate**, the Special's mounting plate, carries the **eye bolts** for the tie-down straps, and its two lugs take the **locking bolt**, which stops the cradle turning.



The cradle tilted on its hinge, with the base plate on the pivot bolt in the special plate.



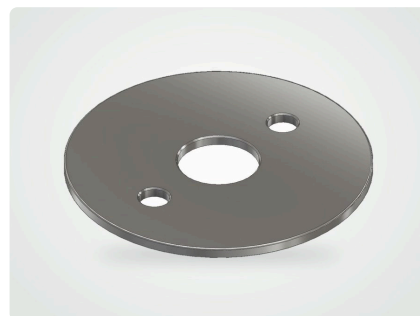
The special plate, with eye bolts and the lugs for the locking bolt.



The winch arm in the square tube.



The mounting base, on top of the swim platform.

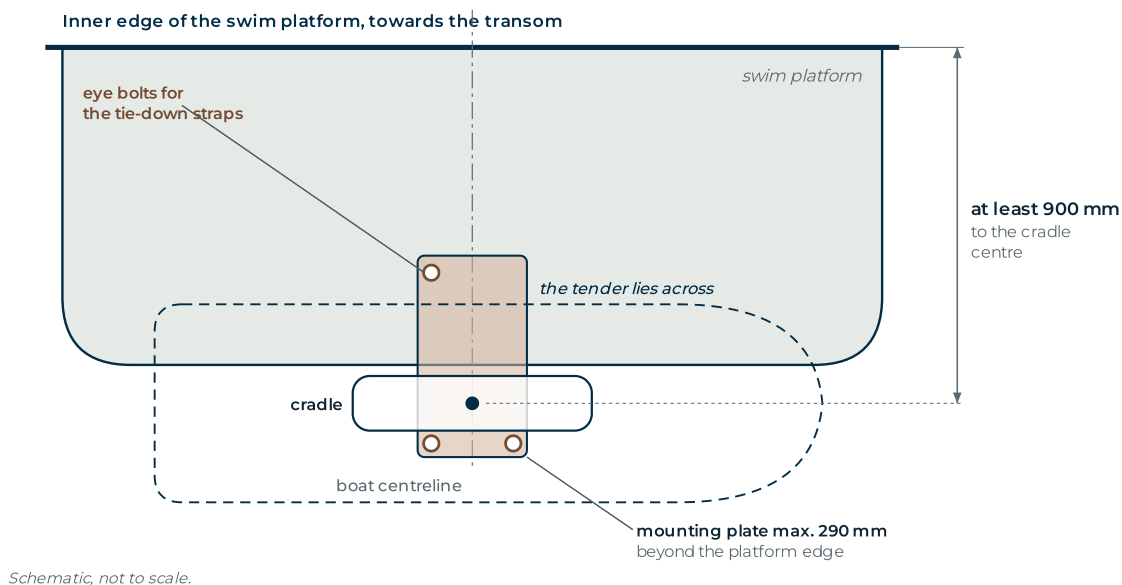


The backing plate, under the swim platform.

The pictures in this manual show earlier one-piece winch arms. Today the arm splits into a straight and a curved part, joined with the locking pin.

# 1 Plan the placement

Read the whole manual before you start. Hatches, ladders, rails or other fittings on the swim platform may be in the way, so check the location before you decide.



## Choose the position for your craft

- **Jet ski:** on the boat's centreline. The centre of gravity is usually in the middle.
- **RIB or tender with a heavy outboard:** preferably offset towards the side where the tender's stern ends up. The centre of gravity is nearer the stern, and the tender is easier to handle with the cradle close to it.
- **Both, or if you prefer the look:** the centreline works too.

## Measure

The centre of the cradle must be **at least 900 mm** from the inner edge of the swim platform, the edge by the transom.

The mounting plate may project **no more than 290 mm** beyond the edge of the swim platform. This is what lets the Special fit a shorter swim platform.

The tie-down straps are attached to the **eye bolts on the mounting plate**, not to the swim platform. See section 2.

If the swim platform has a double skin with a cavity, you may need to cut an inspection hatch from below to reach the lock nuts.

## How long can the tender be?

It depends on where the tender's weight sits, on the winch arm and on the boat.

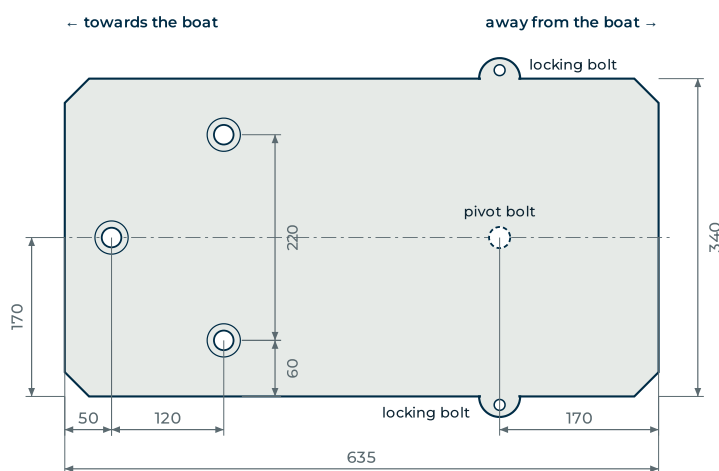
- **Tender with an outboard,** weight behind the middle: for example, a 2.5–3.3 m RIB fits with the standard arm.
- **Jet ski or jet-drive tender,** weight in the middle: up to about 3.8–4 m with the standard arm.
- **Longer tender with an outboard:** the winch arm can have a longer straight section, about 250 mm longer, which is enough for about 4 m. Get in touch if you want one.

This is a guide only.

## 2 Install

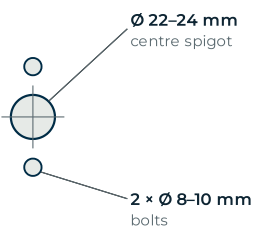
- ① Place the mounting plate on the swim platform in the chosen position. Check the distance to the cradle centre, at least 900 mm, and the overhang, max. 290 mm. **Measure three times.**
- ② Use the mounting plate as a template. Mark the centre of each mounting point through the plate's countersunk holes.
- ③ Drill the centre hole, **Ø 22–24 mm**, for each mounting point.
- ④ Put a mounting base in the hole and turn it to a suitable position. Mark the two bolt holes and drill them, **Ø 8–10 mm**.
- ⑤ Seal the drilled holes with Sikaflex or similar, so that water cannot get in behind the gelcoat.
- ⑥ Fit the mounting base from above. The backing plate, washers and lock nuts go underneath the swim platform. A little Sikaflex on the underside is a good idea too. Tighten.
- ⑦ Repeat steps 4–6 for the other two mounting points.
- ⑧ Screw the eye bolts into the threaded holes in the mounting plate, three on the underside and one on the top. They are anchor points for the tie-down straps.
- ⑨ Bolt the mounting plate to the mounting points with the three bolts, one in the centre of each mounting point. Put a little grease or anti-seize paste on the threads, as stainless threads can otherwise gall and seize. The bolts are greased on delivery.
- ⑩ Fit the cradle to the mounting plate, if it is not already fitted: the pivot bolt goes through the cradle's base plate into the mounting plate. Check that the cradle turns and tilts easily. Grease the threads of the pivot bolt.

The mounting plate seen from above, dimensions in mm. The holes for the mounting points are countersunk.



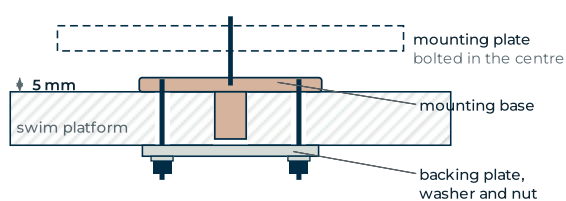
One mounting point. The hole pattern is the same for each mounting point.

Holes in the swim platform, seen from above



mark the bolt holes using the mounting base

Section through the swim platform



Sikaflex or similar in the drilled holes, from above and below.

### 3 Use

#### Taking the tender up

- ① Remove the locking bolt.
- ② Attach a tie-down strap to an eye bolt on the mounting plate and have it ready on the swim platform. That makes it quick to secure the tender once it is up.
- ③ Join the straight and curved parts of the winch arm with the locking pin, if the arm has been taken apart. Put the straight part into the square tube on the cradle. It bottoms out in the tube but is not fixed. The winch sits at the top of the arm.
- ④ Turn the cradle out and tilt it down towards the water.
- ⑤ Bring the tender in, bow first, and attach the winch hook to the bow eye. The keel roller on the cradle helps centre the tender.
- ⑥ Start winching with the cradle at a slight angle, not straight aft. If you winch from starboard, angle the cradle slightly to port, and vice versa. This avoids large uneven loads.
- ⑦ Winch the tender up onto the cradle. It slides up the cradle, bow first. Do not push on the winch arm.
- ⑧ As the tender's centre of gravity approaches the cradle's pivot point, the cradle settles back down by itself. Turn it at the same time, a quarter turn, so that the tender ends up across the swim platform.
- ⑨ Secure the tender properly: at least one strap at the bow, one at the stern and one over the middle, to the eye bolts. **Never to the cradle.**
- ⑩ Leave the winch arm in place if the winch is hooked onto the tender. Otherwise lift it out and split it at the locking pin, so it is easy to stow. Lock the cradle with the locking bolt.

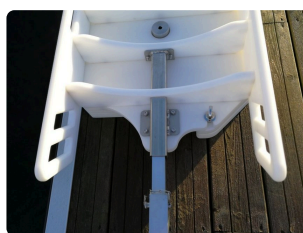
With a light tender, two adults can often pull it up by hand, without the winch arm. If you are unsure of the weight, use the winch.

#### Launching the tender

- ① Remove the locking bolt.
- ② Put the winch arm into the square tube, if it is off, and attach the winch hook to the bow eye, so that the winch holds the tender.
- ③ Release the tie-down straps.
- ④ Turn the cradle back a quarter turn, so that the tender's stern points out towards the water.
- ⑤ Tilt the cradle towards the water and pay out the winch strap steadily, so that the tender slides off stern first. Help it by hand if needed.
- ⑥ Unhook the winch hook when the tender is afloat.



The tender is winched onto the cradle with the winch arm in the square tube.



The winch arm in the square tube.



The curved arm gives a level pull on the hook.

## With the tender up: three options

- **Winch arm in place.** Fine when the winch is hooked onto the tender. It is still the tie-down straps that hold the tender.
- **Winch arm off.** Lift out the arm and split it at the locking pin, so it is easy to stow. The tender then almost seems to float on the swim platform.
- **Everything off.** Remove the mounting plate, see section 4. Only the mounting points remain, standing 5 mm proud with no sharp edges.



Winch arm in place, with the winch hooked onto the jet ski.



Winch arm off. The tender across the swim platform.



Everything off. Only the mounting points remain, 5 mm high with no sharp edges.

## 4 Removal, care and spare parts

### Removing the mounting plate

Undo the three bolts that fix the mounting plate to the mounting points. Only the mounting points remain. They stand 5 mm proud and have no sharp edges.

### Care

- Rinse regularly with cold fresh water and keep the product clean, so that it keeps its finish and strength.
- Do not use strong, corrosive or acidic cleaners.
- Grease the threads of the bolts and the pivot bolt regularly with a thin layer of grease. They are greased on delivery, but the grease needs topping up.

Lock the cradle with the locking bolt when the boat is under way or being transported, especially when the cradle is empty. The locking bolt can be used with or without a tender in the cradle.

### Spare parts and accessories

- **Mounting points.** If you change boats, the mounting points stay in the old one. New mounting points are available.
- **Winch,** standard (AL-KO) or stainless.
- **Tie-down straps,** with hooks or loops.
- **Longer straight section for the winch arm,** for a tender of about 4 m with an outboard. Get in touch.

## The winch needs looking after

The standard winch is an AL-KO from the Plus series, with a protective cover. Salt water is hard on it, and it needs frequent greasing. **Without care it lasts only one season.**

### Often, and always after salt water

- Rinse the winch with fresh water.
- Grease the drum hub, the gear teeth, the drive shaft bearing sleeve and the locking catch sleeve with multipurpose grease. AL-KO specifies OMV Whiteplex or Staburags NBU12K.
- **Never oil or grease the brake.** It has a special grease from the factory, and other oils and greases must not be used.
- Protect the strap from moisture and strong sunlight with a cover, and keep it away from acids and alkalis.

### Before every use

- Check the strap. If it is worn, frayed or damaged, replace it at once. Never knot straps together.
- Check that the crank handle turns freely and that the locking catch engages.
- At least two turns of strap must remain on the drum when the winch is under load.
- Never remove the crank handle when the winch is under load.

### Once a year

Have the brake checked by someone who knows winches. The brake lining must be at least 1.5 mm thick.

**The stainless winch** withstands weather and salt water far better. It too needs rinsing with fresh water and greasing from time to time, and the strap must be checked before every use.

Based on AL-KO's operating instructions for Plus series winches (696459, October 2021).

## Complaints and liability

As a private customer, you are protected by the Swedish Consumer Sales Act. Damage caused by installation that does not follow these instructions, overloading beyond the capacity, accidents and normal wear is not a defect. Speedshine does not carry out installation and is not responsible for the installation or for the strength of the swim platform. The terms and conditions are at [speedshine.se/en/terms/](https://speedshine.se/en/terms/).

**If anything is unclear, get in touch before you drill.**

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