KS SKEG SYSTEM 4

SPRING LOADED SKEG SYSTEM

SKEG BOX AND BLADE ASSEMBLY

Parts

KS Skeg box 4. (521220)

1. (521221) KS-skeg box 4. flat flange, plain.

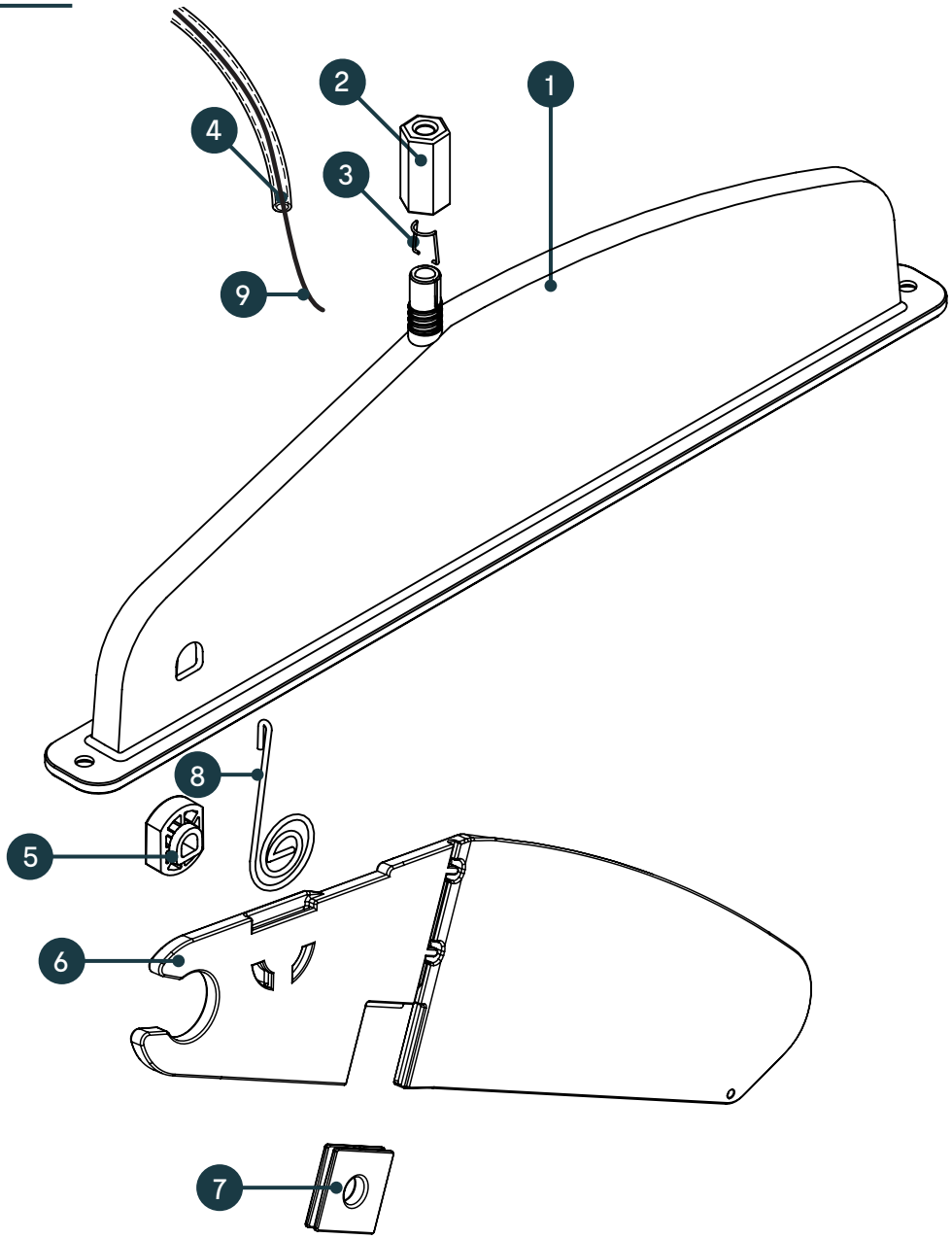
Other flange options shown in the page 2-3:

(521231) KS- skeg box 4. screw flange, plain
(521211) KS-skeg box 4. without flange, plain

2. (521513) KS - tube connector, female
3. (521515) KS - tube connector, spring
4. (710540) Tube 6/4, 2,4m
5. (521517) KS - skeg box 4. axle

KS- Skeg Blade 4. (521310)

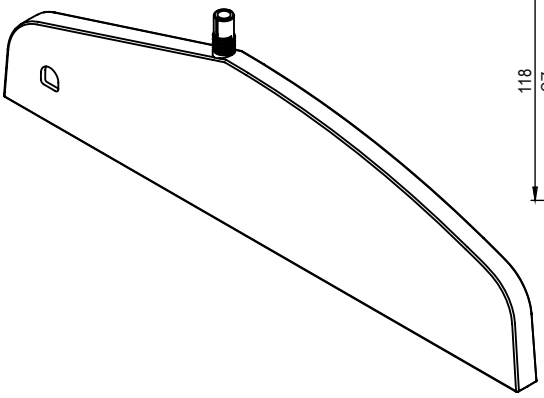
6. (521311) KS-skeg blade 4. plain
7. (521313) KS-skeg blade 4. rope coil
8. (521315) KS-skeg blade 4. spring
9. (701216) Rope, 2,5m/1,5mm

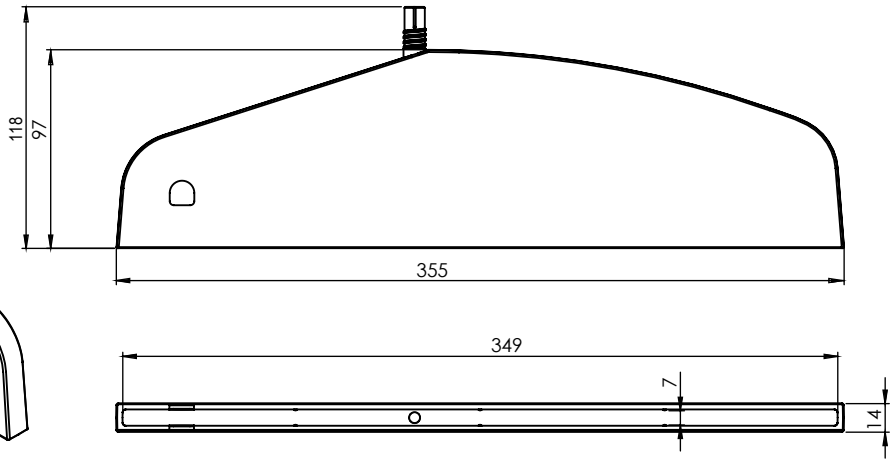


SKEG BOX MAIN DIMENSIONS

KS-Skeg box 4. without flange

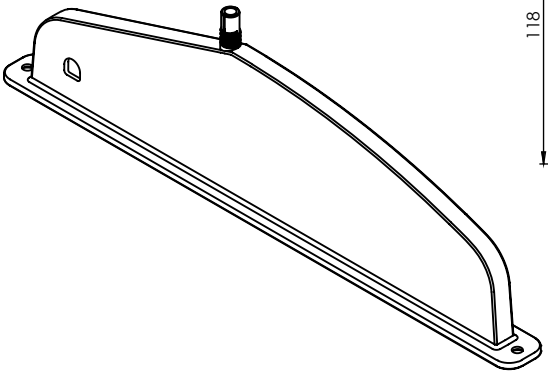
Designed to be installed in to a composite kayak from inside of the hull.

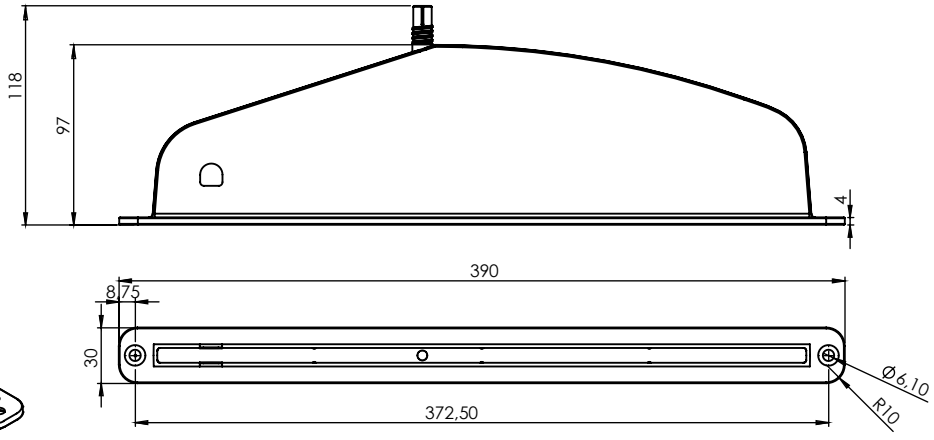




KS-skeg box 4. flat flange

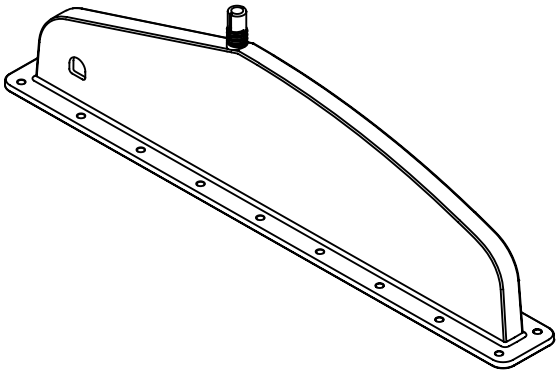
Designed to be installed outside of the hull in both polyethylene and composite kayaks.

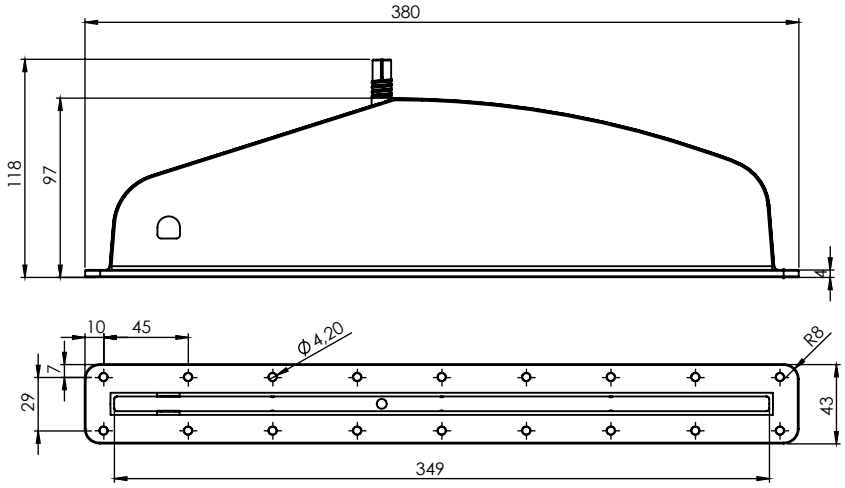




KS-skeg box 4. screw flange

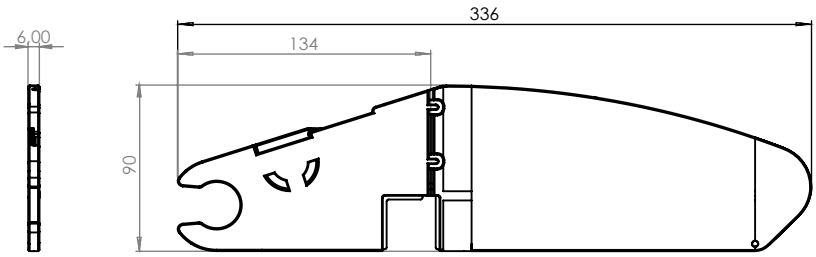
Designed to be installed outside of the hull in both polyethylene and composite kayaks.





KS-skeg box 4. screw flange

Beside you'll find Skeg system 4 blade dimensions.



SKEG BOX ASSEMBLY OPTIONS

1. Skeg box without flange

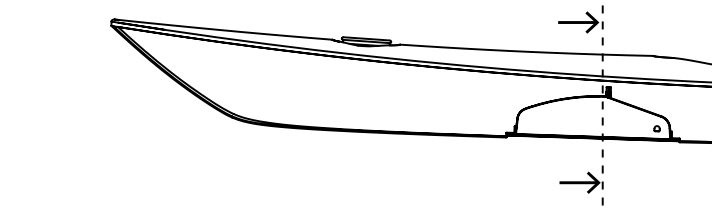
Composite kayak mould can include metal core (width 7 mm) where skeg box can be placed after finishing the hull lamination. Skeg box is made of ABS plastic, so when it is treated with e.g. with sika ABS primer 215 or 290DC it can be connected and sealed directly in to the hull by laminating with polyester resin (A).

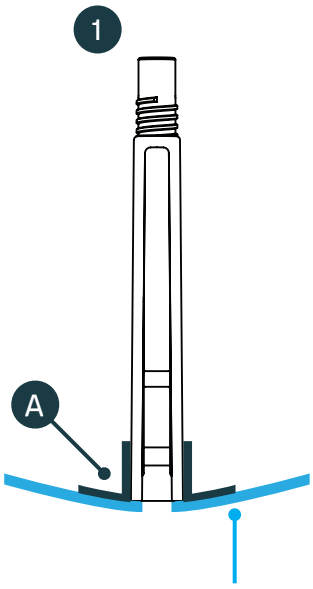
2. Skeg box with flat flange

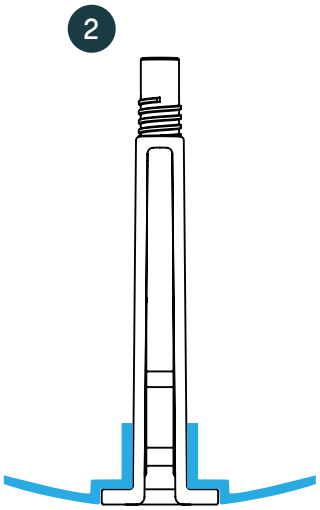
Hull should have integrated surface recess for the skeg box flange to be able to sink in equal surface level with surrounding hull area. Recess can also include low additional support inside for the skeg box. Cut open the bottom of hull recess, treat the ABS skeg box with sika ABS primer 215 or 290DC. Push the box in by using 7 mm wide core inside in the skeg box. Core ensures the skeg box will stay in correct width when installed. Connection can be secured with two screws from both ends of the flange.

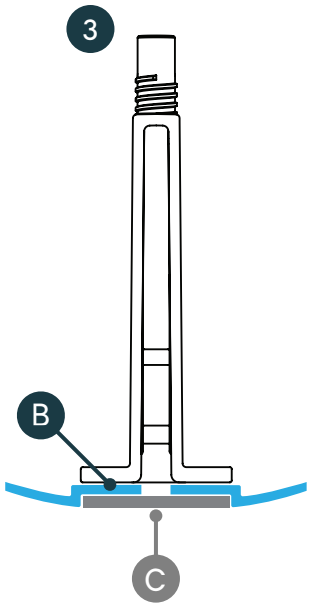
3. Screw Flange

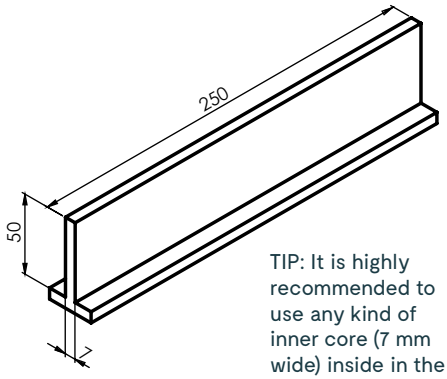
Designed to be installed from inside in to plastic boats that can't have proper recess for the skeg box. It can also be fixed outside the hull similarly than the skeg box with flat flange above. When installing from inside, it requires a flat assembly area for the flange. Cut open the skeg blade area and place rubber sealing (B) between the skeg box and the hull. Use metal counterpart (C) in other side of the hull to fix the skeg box securely on its place. This installation is fully dismantle construction.











TIP: It is highly recommended to use any kind of inner core (7 mm wide) inside in the skeg box when assembling. Core will ensure the box stays in correct width and skeg blade has enough free space to operate normally.

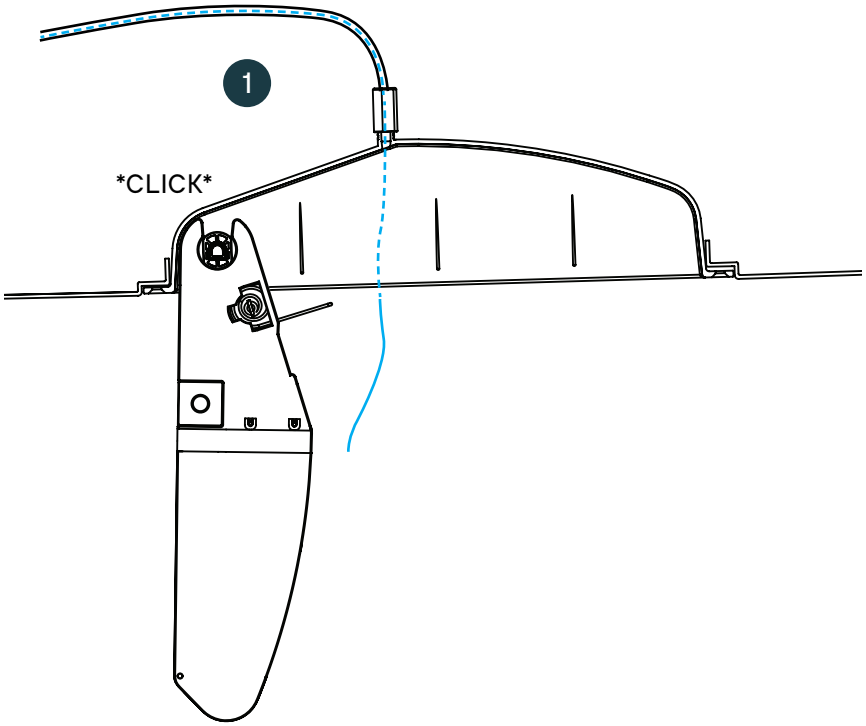
INSTALLING THE SKEG BLADE

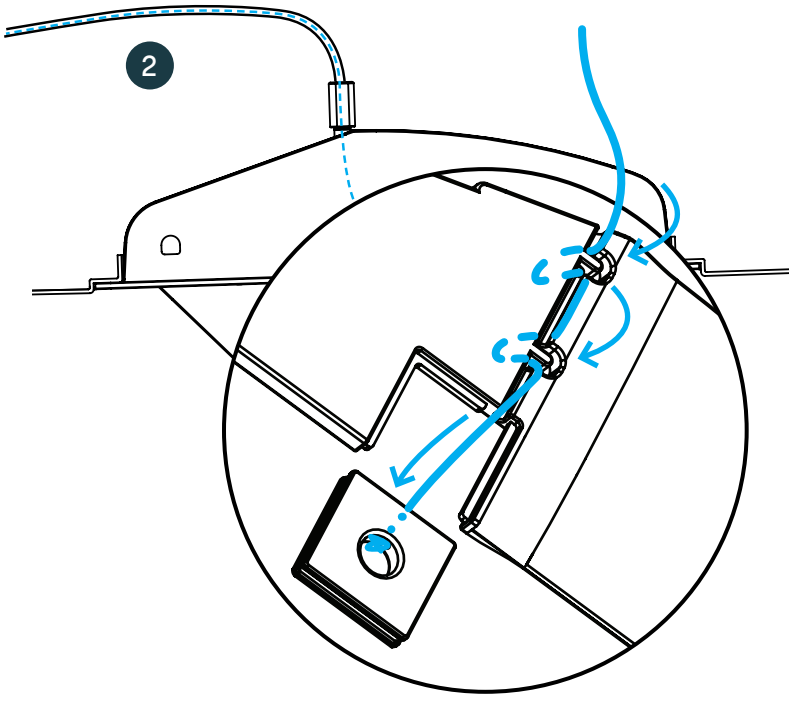
Skeg Blade installation

1. Connect the skeg blade vertically in to the skeg axle. Skeg blade makes clear locking sound when connected. Blade will remain connected during the rest of the assembly.

Rope installation

2. Make a small loop in the skeg rope and thread / string it around the plastic rope hook in the skeg blade. Do this for both of the rope hooks. Thread the skeg rope through the rope coil and secure it with a knot.



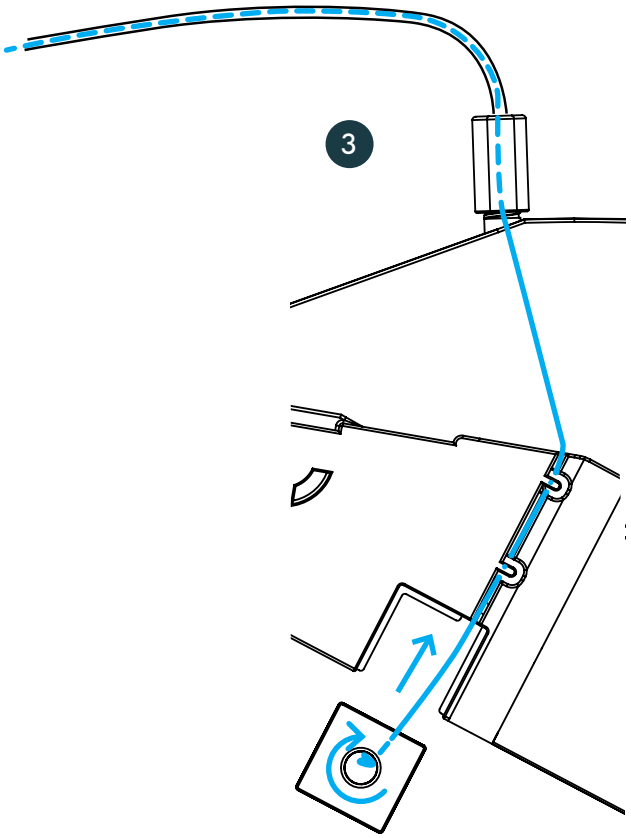


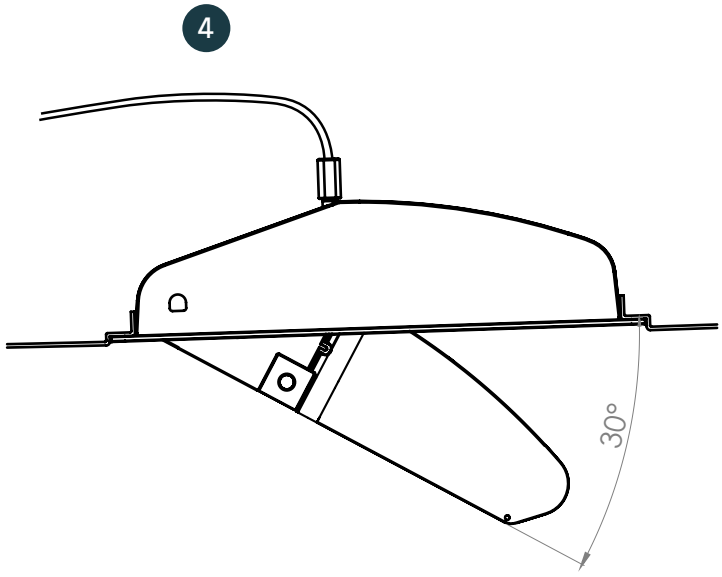
Rope adjustment

3. Adjust the skeg blade by coiling the extra rope around the Rope coil. When completed, push the rope coil to the slot in the skeg blade.

4. Check and test blade operation area by moving the skeg control unit. Skeg blade lowest position should be at maximum 30 degree. Readjust the rope length witht the rope coil if necessary.

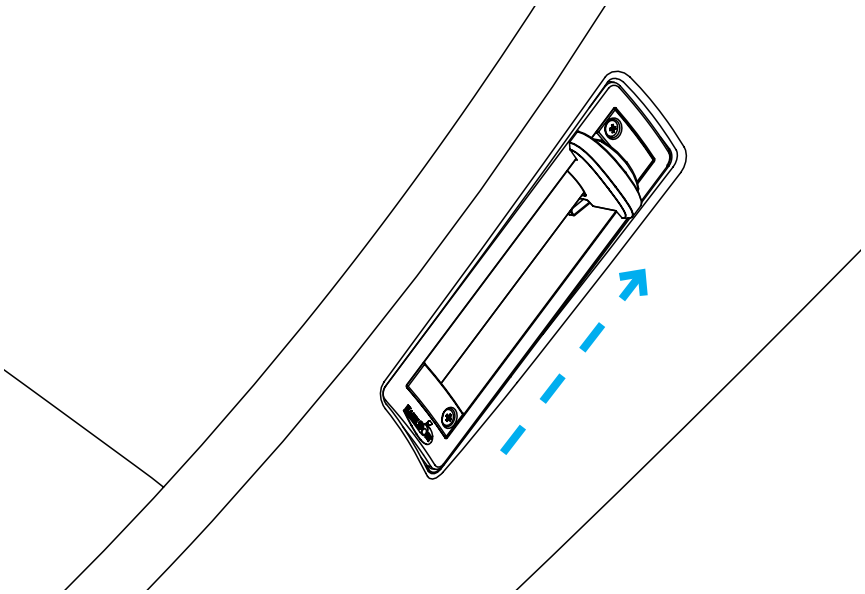
Skeg blade and rope can easily be removed in reverse order.





KS SKEG 4 - ADJUSTING THE SKEG SYSTEM

5. Rope is shortened by turning the rope coil. Control button movement in the control unit is 85 mm. Blade need to be adjusted up enough to be completely inside in the box when lifted from the control button. Later if the adjustment changes or the cord get stretched, rope coil can be re-adjusted easily.



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