



# ASSEMBLY INSTRUCTIONS FOR SPHAERA RUBBING STRAKES

# sphaera®



## INSTALLATION OF THE SPHAERA RUBBING STRAKES

### MATERIALS NEEDED



STAINLESS STEEL SCREW  
TYPE A4, self-cutting  
Countersunk screw drop tallow (TGS)  
Cross recess, size 10, head 9.5 mm, shaft 4.8 mm  
Similar: DIN7983 or UNI6956 and also ISO 7051

Attention: Do not use A2 screws in any case



Drill and screwdriver



Drill bit 4/4.2 mm



Adhesive tape (for fixation)

(seal)

MANUFACTURED AND PROJECTED BY TESSILMARE IN ITALY - PATENTED

## FIXING THE PVC BASE



The soft base profile should be laid in one piece around your boat and fixed with vertical adhesive strips.

Recommendation: A preheated base profile simplifies the installation: put it in a heated room for one night in winter is sufficient.



## FASTENING OF THE STAINLESS STEEL STRAKES



To fix the stainless steel strakes, we recommend that you start from the bow, slightly bend a bar (strakes) in the middle, so that on board itself on the right and left it creates the same lengths.



For technical reasons, it is imperative that there is no hole in the centre of the bow curve, or in the centre of the edges at the stern.



Wherever there is a joint between the profiles, a cover cap should be placed to cover the joint.



Please note that, if possible, no drill should come into contact with the stainless steel parts, because often iron drills can superficially damage the stainless steel and thus rust can form. We therefore also recommend that you seal the hole with silicone or Sikaflex, as this seals and insulates, as well as making the screw connection soft against the hull.

According to an old, nautical tradition, the fastening should have been tightened with cross-head screws and not with a slotted screw.



We recommend the professional use of special discs designed for stainless steel, or flex tools, for cutting to length.



Please cut all protruding PVC parts flush with a carpet knife.



Finally, the end caps are attached.

## BENDING OF STAINLESS STEEL RUBBING STRAKES

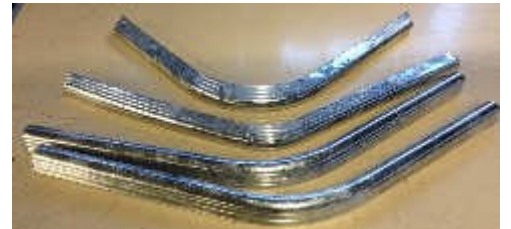


Horizontal curves with radii of more than 40 cm radius can be bent directly on the boat. Piece by piece should be so bent and fixed. Work your way through the radii in this way, slowly and always fixing.

The boat takes over the template for the exact lines here



Tessilmare offers a bending service where, for a fee, you can get ready-cut units for bow and stern with radii smaller than 40 cm. Alternatively, you can also make horizontal and vertical bends yourself with bending disks, which perform the same function.





You can create slightly curved radii and curves directly on the side of the boat.

For the execution of the tight curves and radii, you are also welcome to contact our technical office. For payment, we will manufacture these parts for you.

## CLEANING

The stainless steel surfaces should be treated again with a polishing paste. Clean the PVC surfaces with degreasing agent. Regular maintenance with a polishing compound will maintain the value and radiant appearance of your stainless steel strake.

Attention: Do not use harsh cleaners or corrosive agents - these can damage and destroy the scrubbing strakes.