



# ASSEMBLY OF THE STEPLESS GENOA CAR SYSTEM III



Production and distribution:

Pfeiffer Marine GmbH

Gewerbestraße 15  
D-78345 Moos

[www.pfeiffer-marine.de](http://www.pfeiffer-marine.de)  
[info@pfeiffer-marine.de](mailto:info@pfeiffer-marine.de)

Tel.: +49 (0) 7732 9950-0  
Fax: +49 (0) 7732 9950-50

# ASSEMBLY OF THE STEPLESS GENOA CAR SYSTEM III

Dear customer,  
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thank you very much for your purchase of one of our Pfeiffer Marine products!

Your dealer or shipyard will surely install the system professionally for you. If you are a skilled skipper and wish to install the unit yourself, the following installation and operating instructions will help you to install the unit and use it for the first time. Therefore, please read these assembly and operating instructions completely first and act according to our recommendations in order to be able to ensure optimum functionality. If you have any technical queries, please contact the dealer from whom you purchased the product or we as the manufacturer will be happy to answer them ourselves.

## I. COMPLETENESS CHECK

The purchased stepless genoa car system set size III for rails 32 x 6 mm with Pfeiffer order number 74.490.01 includes the following parts as standard:

- Two high quality track ends with pulleys,
- Two stepless genoa cars,
- Multiple rope eyelets for safe rope guides into the cockpit,
- Two high quality servo clamps with bracket to secure the mooring rope,
- Screws and
- these assembly instructions.

In addition, we ask you to have the following tools ready for assembly:

Screwdriver (cross-slot, size 2 for Phillips cross-slot type H), drill, Ø 3.9 twist drill for the supplied Ø 4.8 X 38 self-tapping metal-sheet screws and Ø 3.8 X 22 self-tapping metal-sheet screws (for Ø 3 twist drill) and some sealant, for example SIKAFLEX.

### IMPORTANT TIP:

To avoid drilling errors, we recommend that you first drill a hole for all parts to be screwed on, then screw the part already in it, align it and then drill the other fixing holes. This way you avoid inaccurate drill holes!

## II. INSTALLATION

The existing genoa cars must either be moved all the way to the rear towards the end of the tracks (if you still want them additional) or removed from the track completely. To do this, the track end facing the bow should be removed on both tracks (port side and starboard).

After this, the genoa car included in the set must be pushed onto the tracks in the correct direction (vertical edge of the roller mount should point towards the stern). The same applies to the track end with control line sheave, which should be attached at the beginning of each track (bow side) if possible. The locking screw of the track end must be screwed into a locking hole on the genoa track (these locking holes are every 50 mm on Pfeiffer rails) and tightened. After this, you can decide for yourself whether you want to mount the old, existing track end again as a termination, or whether with your tracks our new track end ideally form a uniform termination through the specified detent holes of your track.

The assembly work is completed by fastening the guide eyelets and the servo clamps, which must be carried out for each individual ship. Ideally, the rope guide should be between the track and the cabin superstructure so that, for safety reasons, there are no trip hazards on the running deck.

Now the length of the hauling or steering line must be determined by means of a measuring tape. To do this, please push the car all the way to the end of the track. Now measure from the guide pulley to the car, further back to the guide pulley and from there over the guide eyelets to the servo clamp.

This measurement plus about 0.5 metres gives the recommended length without obligation.

Many sailors also pull a rubber line from the eyebolt at the end of the genoa car aft to allow easier retrieval of the car when the mooring line is released. However, this need not be the case, as the car automatically moves aft due to the pressure of the headsail and therefore regulation by the mooring line is sufficient.

## III. FUNCTIONAL TESTING AND HANDLING

In the course of constantly new facilitations for small crews with greater safety, reefable headsail triangles have become more and more widespread and accepted in recent years.

Only the headsail cars mostly still had to be adjusted, or adapted, by leaving the cockpit.

The stepless genoa car system, which can be controlled comfortably and safely from the cockpit, now allows you to trim your headsail triangle in a way that is optimally adapted to the sail size. From the safe cockpit, you can make the smallest changes and comfortably control the genoa cars.

### **IMPORTANT!**

Check all fasteners (screws) again for correct tightening!

#### **IV. CONCLUDING REMARKS**

We wish you great enjoyment using your new product. If you have any technical questions, please do not hesitate to contact your dealer or us. Please note that we cannot accept any warranty if the installation is not carried out properly according to our specifications.

We wish you safe sailing and once again we would like to express our thanks for the purchase of one of our products.

Kind regards  
Your Pfeiffer Marine Team

P.S. If you have any suggestions or requests, please let us know! If you would like a copy of our complete main catalogue, you can request it free of charge by calling 07732 - 99500 or faxing 995050.

You can find us at [www.pfeiffer-marine.de](http://www.pfeiffer-marine.de) or email your requests to: [info@pfeiffer-marine.de](mailto:info@pfeiffer-marine.de)