



BUILDER SPECIFICATION UPDATE NO 6

GC32 - Rudder rake drum

Revision:

Date	Status	Editor
12-01-2017	First Version	SD
16-01-2017	Feedback class	CS
19-01-2017	Final version Approved by class	SD

This update and information is given in accordance of the GC32 Racing Rules.

Goal:

The purpose of this change is to avoid unsafe situations due to a, for the skipper hard to adjust rudder rake system while fully foiling.

To avoid this, it is believed that it is key to have less friction of the bronze bearing rotating in the stainless baseplate of the existing rudder rake drum. TGC (The Great Cup), suggest to add ball bearings on both sides of the rudder rake gearing wheel.

We've designed a new rudder rake drum with ball bearings on both sides of the rudder rake gearing wheel, which makes it way easier for the skipper to adjust the rudder rake while fully foiling.

Due to the fact it will be safe and way easier for the skipper to adjust the rudder rake while fully foiling, the main trimmer can fully focus on trimming the main. With this the new rudder rake drum creates a safe and perfect controlled flight.

Procedure:

- TGC has the new rudder rake drum available.



Installation instruction

1. Loosen the bolt of the stainless steel bar.
2. Pull the rudder plate as far as possible aft of the hull.
3. Screw the stainless steel rudder rake bar out of the rudder rake drum by hand.
4. Undo the bolts of the bottom plate of the rudder rake drum.
5. Place the new rudder rake drum.
6. Screw the bolts back onto the bottom plate of the new rudder rake drum.
7. Swop the lines which attach the belts of the rudder rake drums on both hulls onto to each other.
8. Screw the stainless steel rudder rake bar, back into the new rudder rake drum.
9. Push the rudder plate back into the hull.
10. Screw the bolt of the stainless steel rudder rake bar back into it, but not fully tight.
11. Calibrate the rudder plate to 0 degrees.
12. Tighten the bolt of the stainless steel rudder rake bar.



Annex

