

DOCUMENT CONTROL SHEET

TECHNICAL BULLETIN

69F

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REVISION HISTORY

Rev Number	Reason for issue	Pages affected
01	First Issue	-
02	Updated some of the previous upgrades and added a few more. Prices update.	all
03	Updated some of the previous upgrades and added a few more. Prices update.	all

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1. INTRODUCTION

- 1.1. The purpose of this document is to list the upgrades made to the standard one-design supply during the 2022 season and define their type.

2. DEFINITIONS

- 2.1. Upgrades are of one of the following types:
 - 2.1.1. **Maintenance:** made in order to mitigate issues that occurred on one or more boats during the past season.
 - 2.1.2. **Performance:** made for the purpose of improving the performance of the boat and/or simplifying its use (e.g. maneuvers).
 - 2.1.3. **Functional:** made for the purpose of reducing/simplifying maintenance and minimizing replacement frequency.
 - 2.1.4. **Mandatory:** any upgrade that affects performances or safety.

3. LIST OF UPGRADES

Item	Description	Type	Effective date of mandatory status
Vang car end stop	Custom block to limit the range of the vang car at the safety limit	Mandatory	10/03/2023
Vakaros Atlas 2 instrument + support bracket	Complete Vakaros Atlas 2 with support mounted on carbon bracket	Mandatory	10/03/2023
Anti Skid Pad	New layout	Maintenance	-
Water drain	Custom water drain to facilitate the emptying of water from the boat	Maintenance	-
Vang 57 Flip Flop deck block on C-Plate	Stronger block to prevent breakages of the same	Maintenance	-
Jib halyard Tail	3 mm dyneema mouse line to prevent breakages of the same while hoisting	Maintenance	01/01/2024
Gennaker Bag	Reinforced back part to extend duration	Maintenance	-
Daggerboard lifting system	Dyneema double loop to replace pad eye on daggerboard top	Maintenance	01/01/2024
Jib Cam Cleat	Standard Cam Cleat to replace micro Cam Cleat	Maintenance	-
Sails	New supplier (North Sails)	Mandatory	01/01/2024
Foil up system	Linked to down system. New end stop to prevent breakages	Functional	01/01/2024
Foil down system	Linked to up system. Reduced number of blocks and shock cords	Functional	-

Gennaker tack line	Longer tack line and shorter purchase line with end stop ball	Functional	-
Jib halyard purchase line stop	Added ball to end stop	Functional	-
Jib sheet system	New system with 7 mm sheet and shorter shock cord to prevent tangling of the same	Functional	-
Mainsheet 57D shock cord	Shock cord from one rack to the other through mainsheet 57D	Functional	-
Flip Flops shock cord	Shock cord passing through 40S block from one Gnk flip flop to the other	Functional	-
Rudder pin safety lock	Symplified shock cord	Functional	-
Shock cord From Gnk 75 to hiking strap	To avoid twisting of gennaker sheets	Functional	-
Deck cover back attachment	Plastic band between deck cover and hull to simplify assembly	Functional	-

4. DETAILS

4.1. Vang car end stop - Mandatory

4.1.1. Custom block.



4.1.2. Advantages:

- impose a mechanical and more accurate limit on the range of the vang car
- therefore prevent the possible breakage of the rig.

4.1.3. Price: approx €25 + VAT

4.2. Vakaros Atlas 2 + support bracket - Mandatory

4.2.1. New instrument.

Use of Sailmon Max or other devices is forbidden at official 69F events.

4.2.2. Comes with its own support which can be mounted on the carbon bracket.

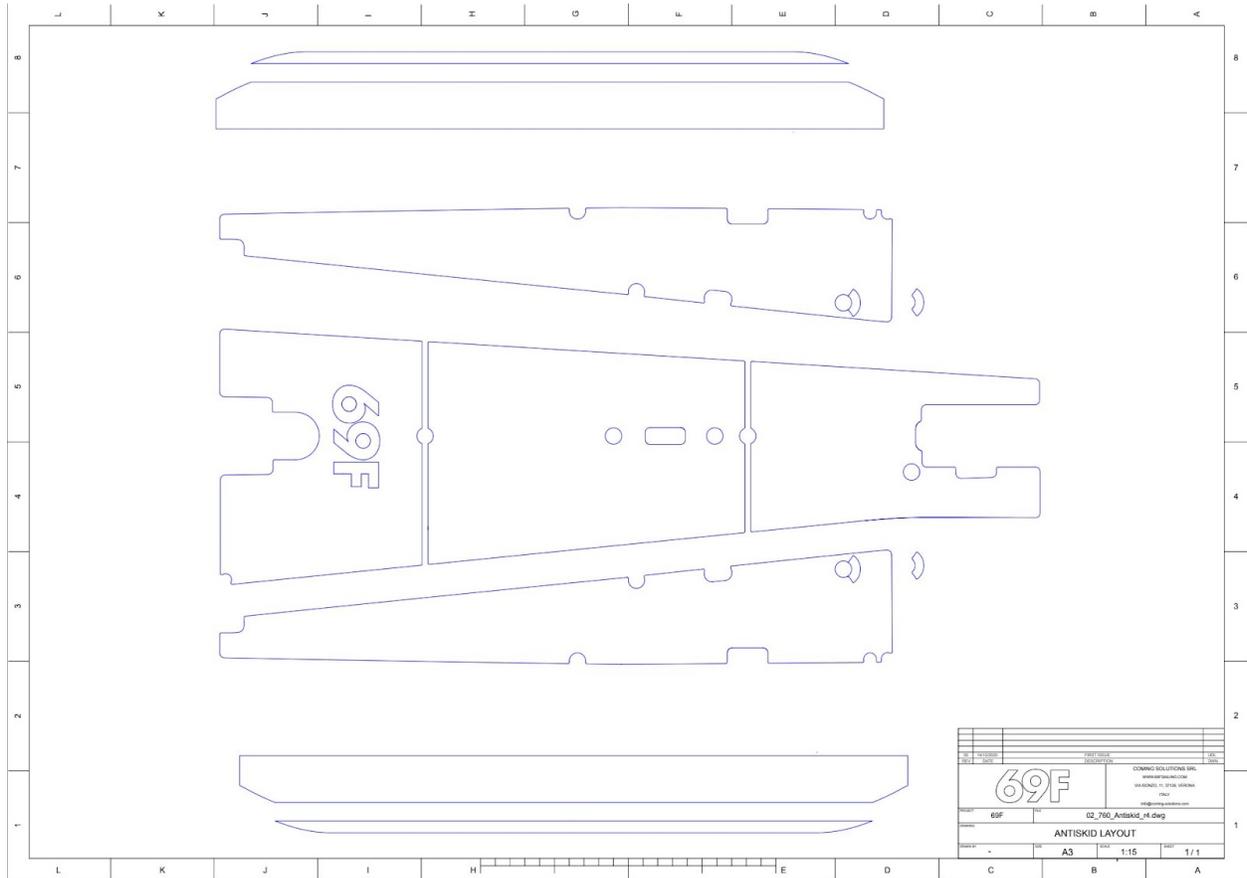


4.2.3. Advantages: more functions (see [69F Vakaros Intro.pdf](#))

4.2.4. Price:

- to order an instrument:
sales@vakaros.com
Niccolo Bianchi at +39 329 827 8266
Purchase online: [Vakaros Atlas](#)
- carbon mast bracket € 85.40 + VAT
(only carbon part with deck foam padding at the back).

4.3. Anti Skid pad - Maintenance



4.3.1. Simplified asymmetrical layout without deck external stripes.

Advantages:

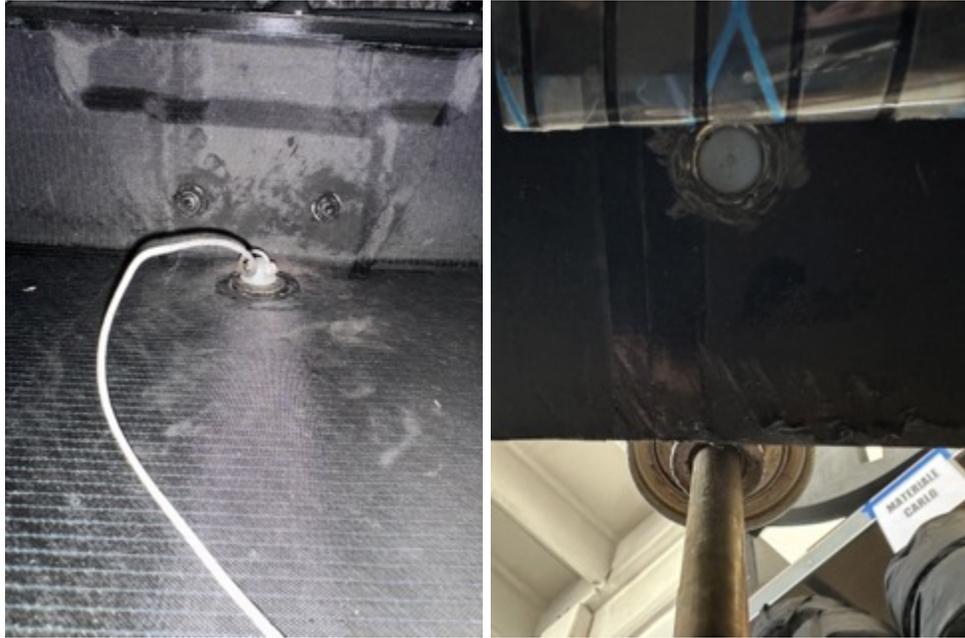
- fewer components
- easier application.

4.3.2. Price: €1624 + VAT

4.3.3. Mounting cost (on request, not mandatory): €200 + VAT

4.3.4. Removal of old one (on request, not mandatory): €450 + VAT

4.4. Water drain - Functional



- 4.4.1. Removable plastic cap screwed into threaded flanged bushing.
- 4.4.2. Advantages: simplified emptying of water from the boat.
- 4.4.3. Price: €70 + VAT
- 4.4.4. Mounting cost (on request, not mandatory): €100 + VAT

4.5. Vang 57 flip flop deck block on C-plate - Maintenance



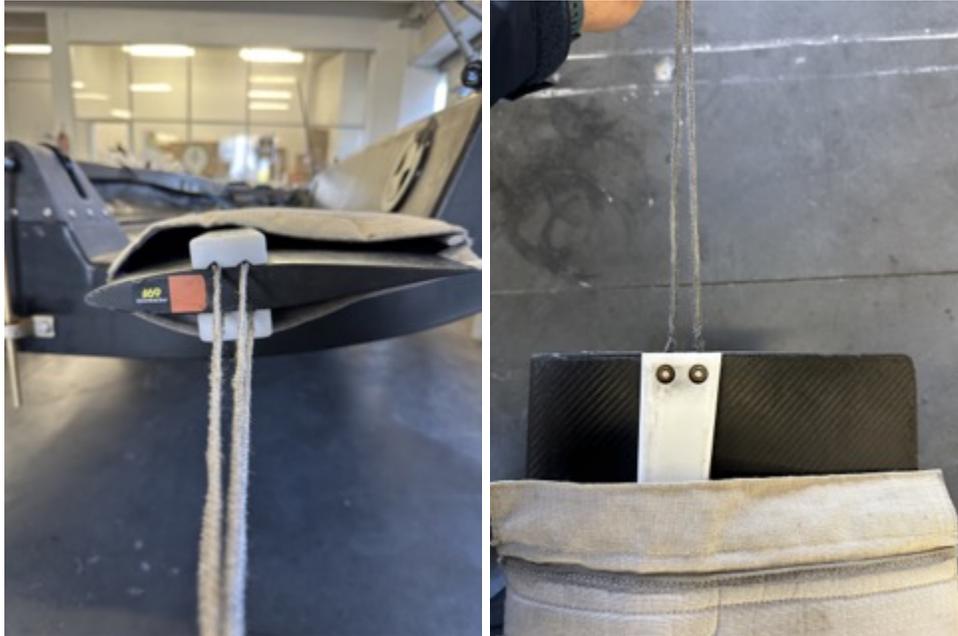
- 4.5.1. 57 flip flop block - Cam matic mounted on carbon plate replacing 40 mm Pivoting Lead Block.
- 4.5.2. Advantages: stronger and more reliable.
- 4.5.3. Price: €370 + VAT
- 4.5.4. Mounting cost (on request, not mandatory) €100 + VAT

4.7. Gennaker bag - Maintenance



- 4.7.1. Reinforced back part with anti UV rack net material.
- 4.7.2. Advantages: stronger and more durable.
- 4.7.3. Price: €1000 + VAT

4.8. Daggerboard lifting system - Maintenance



- 4.8.1. Double dyneema loop to replace soft pad eye on top of the daggerboard.
- 4.8.2. Advantages: can hold a stronger pull if the daggerboard is stuck.
- 4.8.3. Price: €700 + VAT
- 4.8.4. Mounting cost: €35 + VAT
- 4.8.5. Modification of old one: €100 + VAT

4.9. Jib Cam Cleat - *Functional*



4.9.1. Micro Cam Cleat replaced with Standard Cam Cleat.

4.9.2. Advantages:

- bigger Cam Cleat does not move and allow the use of a bigger sheet
- more reliability.

4.9.3. Price (unit): €45 + VAT

4.9.4. Mounting cost : €35 + VAT

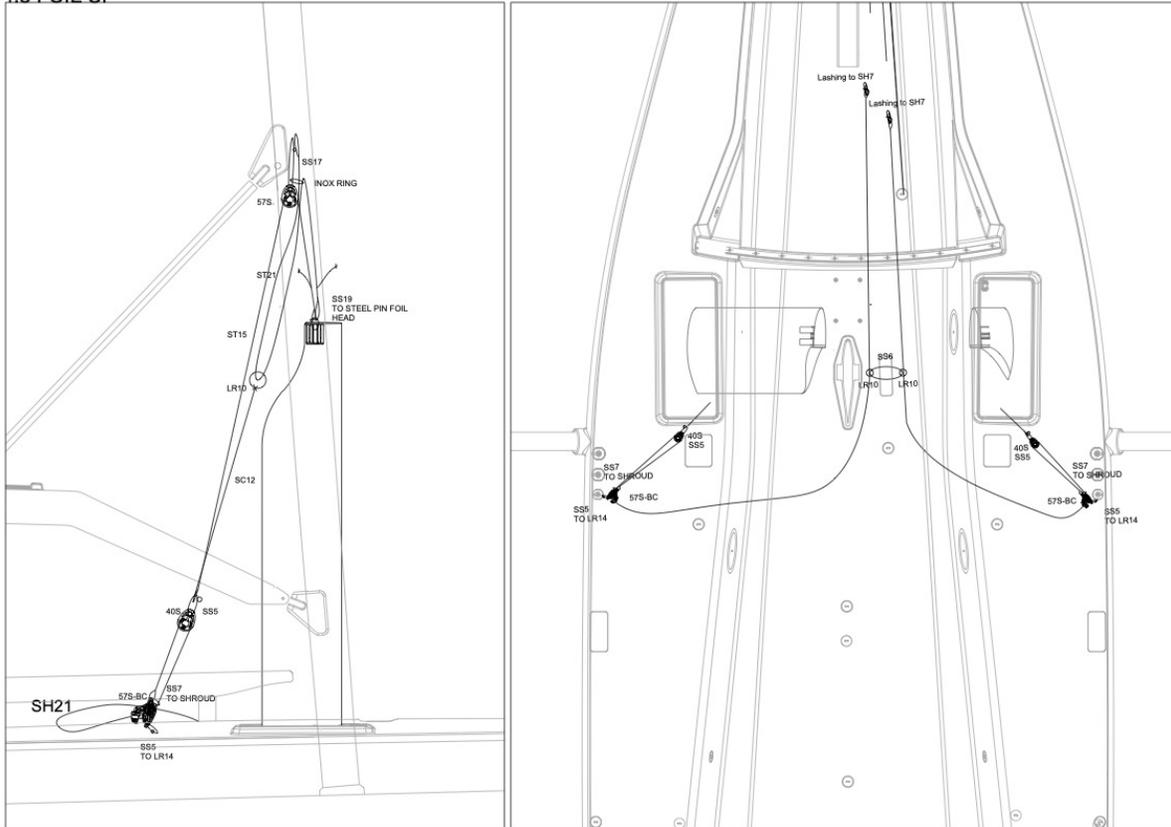
4.10. Sails - Performance



- 4.10.1. New supplier North Sails.
- 4.10.2. New material (main and jib 3Di).
- 4.10.3. **At 2023 69F official events it is still possible to use One Sails sails produced before 31.12.2022.**
- 4.10.4. Price: Full Set €13000 + VAT, price of individual sails:
 - mainsail: €7700 + VAT
 - jib: €3200 + VAT
 - gennaker: €2100 + VAT

4.11. Foil Up system - Functional

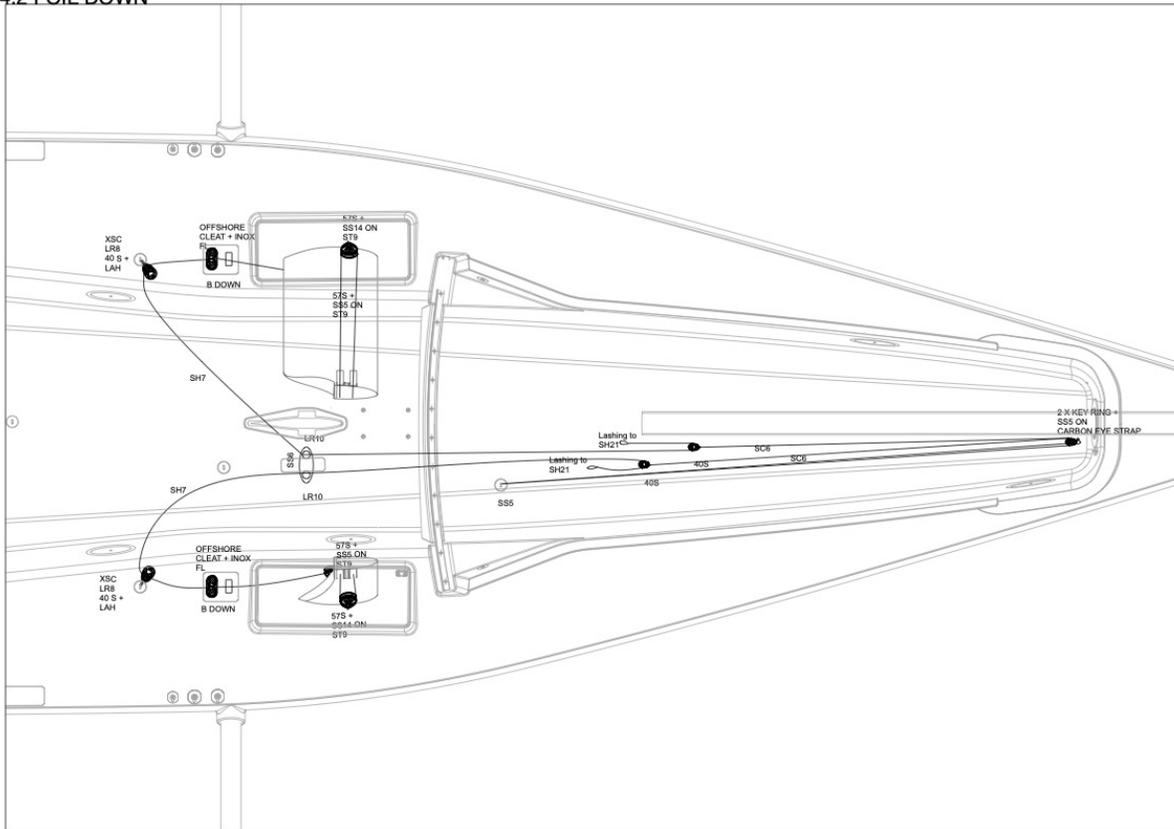
4.3 FOIL UP



- 4.11.1. Added ST21 adjustable between D1 shroud fitting and SS19 as down end stop.
- 4.11.2. 57S replaced with 40S.
- 4.11.3. SS10 replaced with SS19.
- 4.11.4. Inox ring attached to SS17.
- 4.11.5. Shock cord between 40S and LR10 to remove slack out of ST21 while foil is up.
- 4.11.6. SH21(red) pass through a second LR10 attached to Gnk jammer and is linked to SH7 (blue).
- 4.11.7. Advantages:
 - fixed down end stop prevent breakages of blocks
 - end stop knot on red line is no longer needed and it can be linked to blue line
 - prevent tangling with other systems
 - one line automatically take out the slack of the other
 - 57S can be reduced with 40S.
- 4.11.8. Price (entire system with new components): €970 + VAT
- 4.11.9. Mounting cost (on request, not mandatory): €100 + VAT

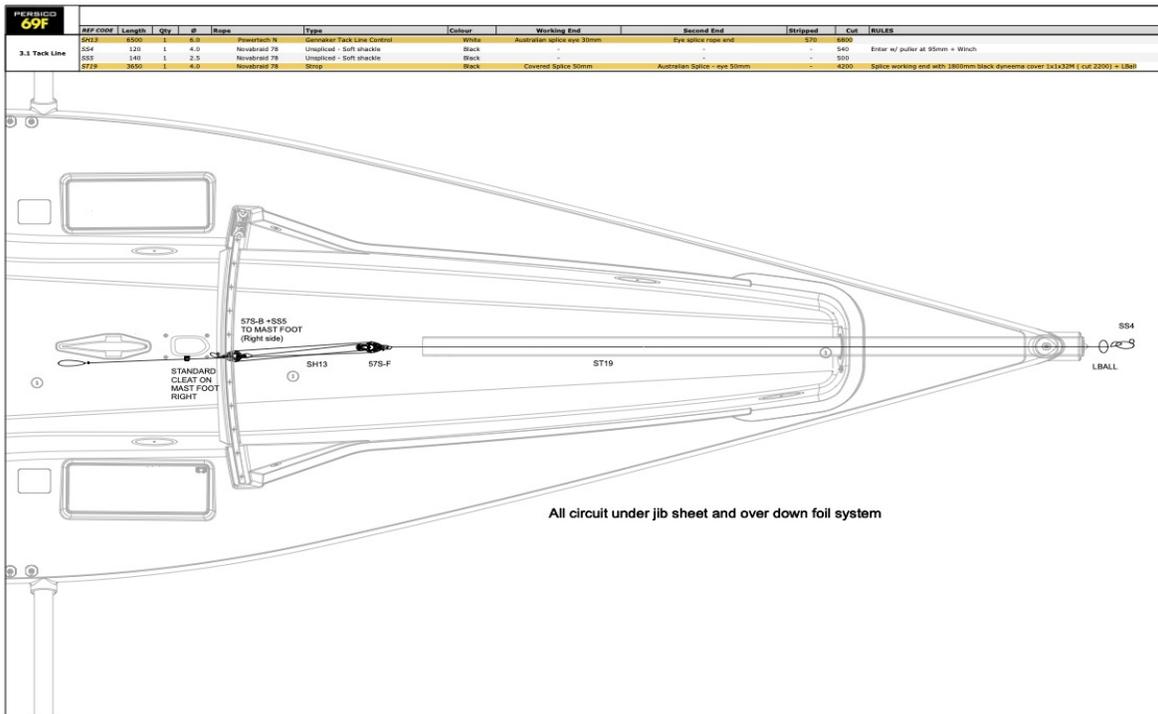
4.12. Foil down system - Functional

4.2 FOIL DOWN



- 4.12.1. SH7 (blue) passing through 40S linked to SH21 (red).
- 4.12.2. Shock cord from deck pad eye to 40S passing through 22S attached to carbon eye strap (each side).
- 4.12.3. Advantages :
 - less friction of the system
 - faster drop of the foil
 - reduced number and length of shock cords and blocks
 - cleaner deck while sailing.
- 4.12.4. Price (entire system with new components): €580 + VAT
- 4.12.5. Mounting cost (on request, not mandatory): €100 + VAT

4.13. Gennaker tack line - Functional



- 4.13.1. ST19 lengthened by 450 mm.
- 4.13.2. SH13 shortened by 2100 mm.
- 4.13.3. Ball to end stop SH13 on Cam Cleat.
- 4.13.4. Advantages:
 - less rope that can cause tangles with other systems
 - ball as end stop takes away the need of having LR10 on bowsprit.
- 4.13.5. Price: (SH13+ST19) €80 + VAT

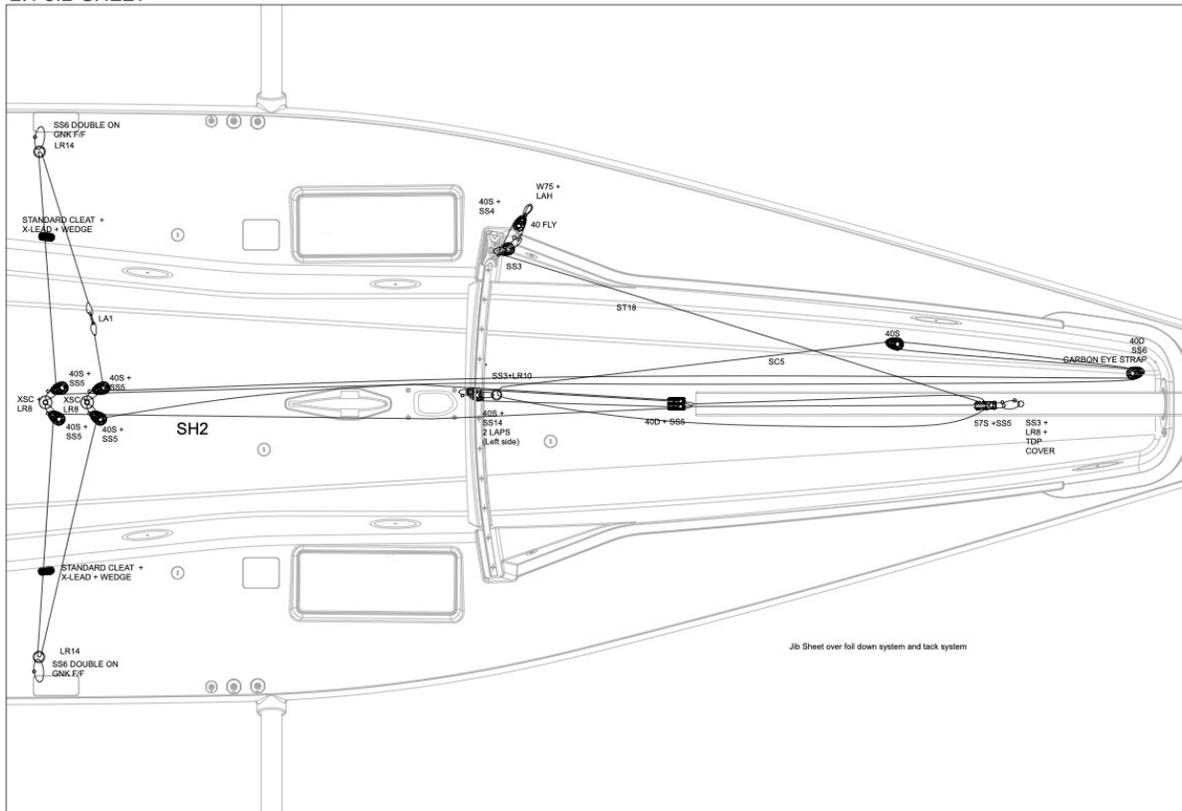
4.14. Jib halyard purchase line - *Functional*



- 4.14.1. Added M-Ball as SH 11 end stop.
- 4.14.2. Advantages: easier to grab.

4.15. Jib sheet system - Functional

2.1 JIB SHEET



- 4.15.1. Increased diameter of SH2 to 7 mm.
- 4.15.2. Length of SH2 increased to 21500 mm.
- 4.15.3. Micro Cam Cleat replaced with Standard Cam Cleat.
- 4.15.4. LR20 replaced with two 40S blocks.
- 4.15.5. 40D on a carbon bridge.
- 4.15.6. Shock cord from 40D to 40S through LR10 on mast foot to remove slack.
- 4.15.7. Advantages:
 - bigger Cam Cleat does not move and allow the use of a bigger sheet
 - bigger sheet is easier to trim
 - reduced friction of the system
 - less tangling of the sheet
 - shorter shock cord.
- 4.15.8. Price: €1330 +VAT
- 4.15.9. Mounting cost : €70 + VAT

4.16. Mainsheet 57D Shock Cord - Functional

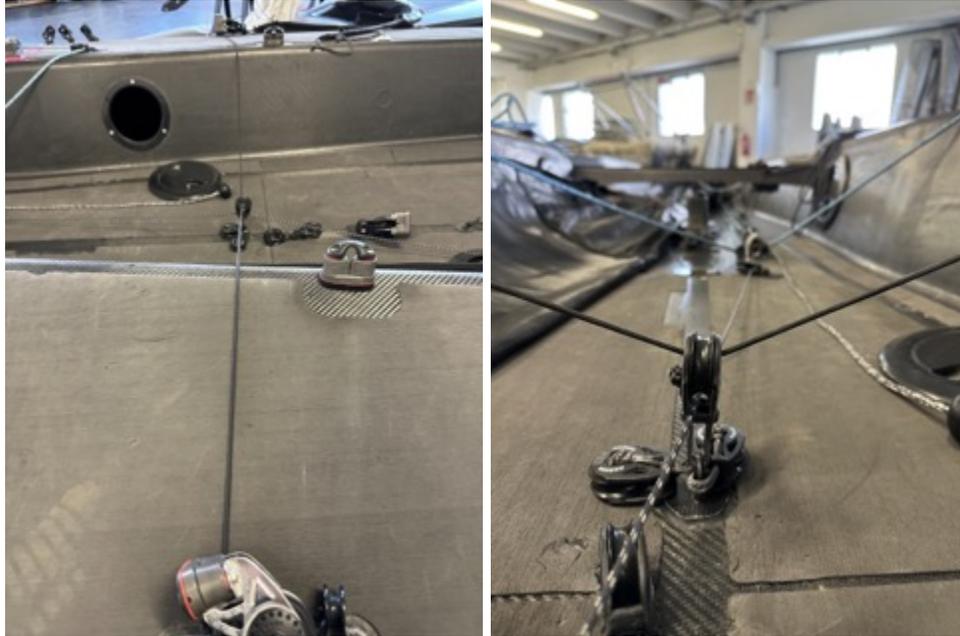


4.16.1. Shock cord from one rack to the other through mainsheet 57D.

4.16.2. Advantages:

- facilitated grab of tiller extension during maneuvers
- keep tension on the mainsheet bridle when loose.

4.17. Gnk Flip Flops Shock Cord - Functional

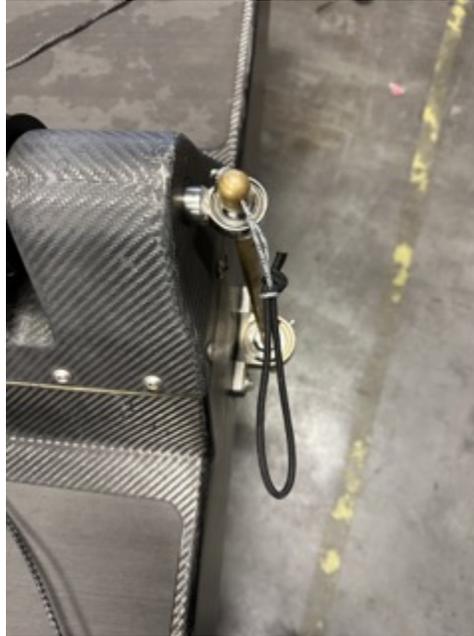


4.17.1. Shock cord from one Gnk Flip Flop to the other through retriever 40S block.

4.17.2. Advantages:

- keep the Flip Flops in their position and prevent the twist of the same
- keep retriever 40S up straight to facilitate the grab of the line while dropping the kite.

4.18. Rudder pin safety lock - *Functional*



4.18.1. 2 mm Harken strop linked to Shock cord.

4.18.2. Advantages:

- easier to adjust if needed
- easier to replace in water if needed.

4.19. Shock Cord from Gnk 75 to hiking strap - *Functional*



4.19.1. Shock cord between Gnk 75 block to back hiking strap.

4.19.2. Advantages: avoid the twist of gennaker sheets and easier to replace if needed.

4.20. Deck cover back attachment - *Functional*



4.20.1. Plastic band from back part of deck cover to hull.

4.20.2. Advantages:

- easier assembly
- easier to replace if needed.

5. ORDERS

- 5.1. Please send an email to salesoffice@69fsailing.com with a list of the parts you would like to order.
You will then receive an order confirmation with the final price and expected delivery date.
- 5.2. The prices indicated are considered valid at the time of issue of the present document, but may be subject to fluctuations following changes in procurement costs.
- 5.3. If the upgrade price is not indicated, the component, if requested, is supplied for free.
- 5.4. Expected delivery time will be around 45-60 days after the date of order.
- 5.5. Prices are considered VAT excluded.