

# **GS MARINE**

Owner-Manual

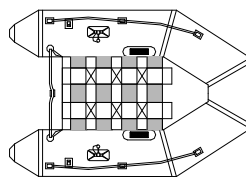
## Specifications of inflatables

**Important:** You must check all provided components of the boat.

### 1. Slatted Boats Series

Model	Length (Cm)	Width (Cm)	Gross Weight(Kg)	Load (Kg) Capacity	Persons	Max. HP
GS 160 SR	160	123	15.7	100	1	
GS 180 SR	183	123	18.5	150	2	
GS 160 SL	160	117	19.6	100	1	
GS 180 SL	178	130	18.7	150	2	
GS 200 SL	197	131	23	220	1.5	2.5
GS 230 SL	225	131	25.3	270	2	3.3
GS 249 SL	247	131	32.2	400	3	5

- 1) Tube 1set
- 2) Oar 1set
- 3) Foot Pump 1set
- 4) Carrying Bag 1ea
- 5) Repair Kit 1set
- 6) Valve 2 or 3ea
- 7) Wooden Seat 1ea
- 8) Owner's Manual



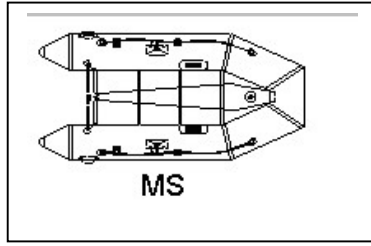
MS

### 2. Sports Boats Series

#### a. AL Floor

Model	Length (Cm)	Width (Cm)	Gross Weight (Kg)	Load (Kg) Capacity	Persons	Max. HP
GR 300 SA	298	153	44.1	500	4	10

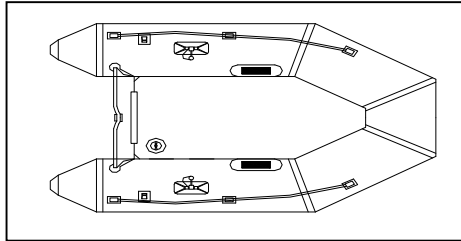
- 1) Tube 1 set
- 2) Floor Board 1set
- 3)Stringer 2 or 4ea
- 4)Oar 1set
- 5)Foot Pump 1set
- 6)Carrying Bag 2ea
- 7)Repair Kit 1set
- 8)Valve 4ea or 6ea
- 9)Wooden Seat 1ea
- 10)Owner's Manual



**b. Inflatable Floor**

Model	Length (Cm)	Width (Cm)	Gross Weight (Kg)	Load (Kg) Capacity	Persons	Max. HP
GS 160 SH	160	130	19.5	150	1	
GS 249 SH	248	133	40.7	355	3	6

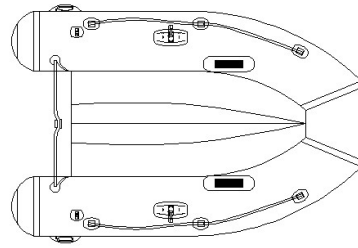
- 1) Tube 1 set
- 2) Air floor 1 ea
- 3) Oar 1set
- 4) Pump 1set
- 5) Carrying Bag 1ea
- 6) Repair Kit 1set
- 7) Valve 4 or 5ea
- 8) Wooden Seat 1ea
- 9) Owner's Manual



**c. Rigid Floor**

Model	Length (Cm)	Width (Cm)	Gross Weight (Kg)	Load (Kg) Capacity	Persons	Max. HP
GS 200 RIB	205	150	58.5	350	2	5

- 1) Tube 1 set
- 2) Rigid floor 1 ea
- 3) Oar 1set
- 4) Pump 1set
- 5) Carrying Bag 1ea
- 6) Repair Kit 1set
- 7) Valve 4 or 5ea
- 8) Wooden Seat 1ea
- 9) Owner's Manual



### **The unpacking**

Before you unfold the boat, take a good look at how the boat is folded together. Unfold the boat at a flat surface and check if all did come with the boat. (valves, wooden seat, foot pump, oars, aluminum stringers, repair kit and carrying bag)

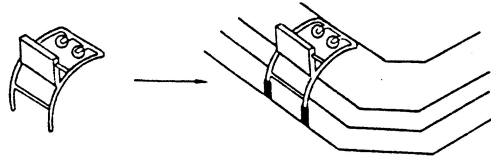
### **Valves**

The valve is pre-assembled. You can leave them there permanently, because they do not damage the fabric, or the user of the boat. Loosen the front cap and put pump-hose in to inflate the boat. Please make sure that the nipple inside of the valve is up at the normal position when inflating. For deflating, press the nipple down and turn it, then air will come out. Close the valve cap after finishing the inflating.

**NOTE :** Do not inflate the keel until the floor boards have been installed

## How to set Motor bracket

In case of Dinghy boat series, set the motor bracket when the tube is inflated only half. It is difficult to set the motor bracket when fully inflated.



## To start with

Before you assemble the floor, you have to inflate the air chambers (except the keel) a bit. In this way it is easier for assembling. Make sure that you use the foot pump that is delivered with the boat. (do not ever use a compressed air source)

**NOTE:** when you place the floorboards pull up the fabric a bit to avoid damaging on the tube fabric.

## The Wooden floor

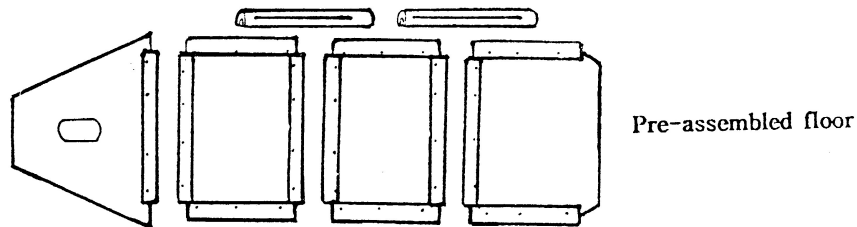
The amount of floorboards delivered with the boats:

Slated boats Series : Slated floor

Sports boats Series

GR 300 SA 4EA

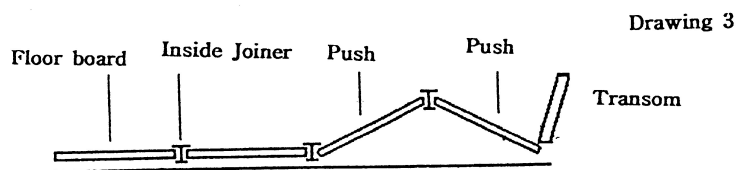
**Important:** make sure that you place the floorboards the way you can read the numbers that are written on it. The numbers have to correspond. With the Sports boat series there are also stringers, which you have to fix them at the two sides of the floorboards. These stringers will make sure that the wooden floors are stabilized even on waves.



### How to assemble the floorboards

- 1) Start with board number 1, push this as far as possible in the nose until the valve base of the keel is in the middle of the hole in this floorboard.
- 2) Now place the last board number 4 or 5. Push this one so far as possible under the transom.
- 3) Insert floor board No. 2 in the joiner of No. 1.
- 4) Insert floor board No. 3 in the joiner of No. 2 and No. 4. And press them down until the floor is flat. (See Drawing 3)

You will notice that the first couple of times it will not be easy for you to assemble the floor boards. After several times it will go easier because the fabric are stretched.

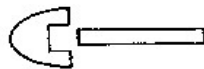


### **How to assemble the stringers**

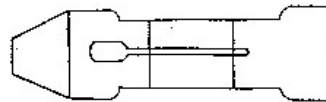
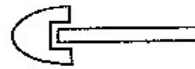
To make the assembling of the stringers easier you have to use an oar for help. This oar consists in 2 parts which you have to put together as one piece.

Place an oar underneath the boat at the side where you are going to fix the stringer. Because of the oar, there will be some space between the fabric and the floorboards. Now it is easier to fix the stringer. Assemble the stringer by putting your hands on each end of the stringer. Push gently until the whole stringer is fixed to the side the floorboards (See Drawing 4). Do the same at the other side of the floorboards.

**Stringer**



**Drawing 4**



**Floorboard**

### **To inflate**

Start to inflate the boat. We advise you to do this with the foot pump. that is delivered with the boat. (do not ever use a compressed air source)

Start inflating both tubes. Then inflate the nose. After you have inflated these three compartments you can start inflating the keel. The maximum inflation pressure is 0.25 bar for the tubes of the boat, 0.35 bar for the keel, 0.60 bar for the inflatable floor. Now close all the front caps of the valves. Place the oars and your boat is ready to sail.

**Attention:** Make sure you never inflate too much pressure on the air chambers. When the boat is exposed to the sun, because air will increase by warmth which can cause overpressure. (1 C=cause a changing of 0.004 bar pressure) When the temperature goes down the air pressure goes down also.

### **Self Draining**

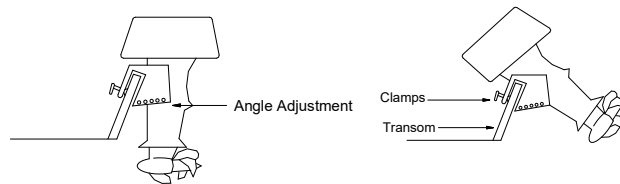
All types are provided with a self draining plug at the bottom of the transom. When you take out the plug, the self draining system makes sure that water can go out of the boat but will not come in through the draining valve. So make sure you have put on the plug when you are sailing or towing the boat. It is important to regular clean the self draining system from dirt.

### **Using an Outboard motor**

When you use an outboard motor make sure you place it on the motor pad on the transom and tightly screw the butterfly nuts of the outboard motor. Fasten the outboard motor to the motor pad. Check after 15minutes of sailing whether the outboard motor is still firmly fastened on the transom.

**Important:** Do not ever overpower and exceed the maximum weight of motor. That is written on the data plate on the transom.





### **Using Oars**

The inflatables are extremely suitable to be rowed with.

Be careful when there is strong wind and you are sailing a boat without a keel.

### **Towing**

All inflatables have 3 towing rings. When you are towing the boat it should be using all 3 towing rings. In this way the power is divided. It is also not allowed to have ballast in the boat when you are towing. Make sure that you use extra towing ropes when you are drawing during bad weather. The length of the towing ropes must be adjusted to type of boat that you are towing and the weather circumstances.

### **Loosing Pressure**

For an inflatable boat which is standard designed it is may not loose more than 20% of the air in 24 hours. When the loose happen do the following.

1. Check if all valves are screwed tight.
2. Check if all valves are clean.
3. See if you can find any damaging
4. Check the seams

5. Put some soap water on the boat to discover small leaks. Where bubbles appear there is a leak

Due to temperature difference the pressure can increase or decrease.

### **Water inside the boat**

1. Check if the self draining valve is O.K.
2. Check if the self draining valve is clean.
3. See if you can find any damage.
4. Take out the floor boards, fill the boat with water, Lay it down on the ground. If you see water on the ground there is a leak.

### **How to repair**

If you have found a leak then clean the fabric around it. Cut out a piece of fabric with round edges, which is about 2.5Cm bigger than the leak area. Both the repair patch and leak area must be dry and free of dirt and grease. Apply 3 thin, even coats of adhesive to the surface of the boat and the repair patch. Let the upper glue layers have dried a bit. Then stick the repair patch on the leak area and make sure that there are no air bubbles between the fabric. Let the repair dry for 24 hours before you start using the boat again.

**Important:** Repairing is only possible with a dry atmosphere and the air moisture may not be higher than 60%.

### **Maintenance and Storage**

Because the boat's fabric is PVC it does not need much maintenance.

So you do not need to use talcum powder when the boat is folded. The boat should be washed with a mild soap and rinsed with fresh water. Dry all parts before storing in the carrying bag. It is important to clean the valves also.

The transom, wooden seat and floorboards are made out of plywood and are treated with a water proof paint. Every damaging of the paint must be covered with a marine grade paint. To keep the boat looking new, store the boat in a cool and dry place and avoid excessive exposure to direct sunlight

**IMPORTANT** : *DO NOT use a vinyl preserving agent on fabric surfaces. Chemicals in such agents will dry out the fabric.*

### **Fire Risk**

All materials of this inflatable boat are flammable. Take open fire away from the boat.

### **Advices**

1. Always take lifesaving vests with you for all passengers, although it is legal obliged or not.
2. Check the pressure and the condition of the boat before you start sailing.
3. Pay attention to the weather circumstances for your safety and also for its influence on the fuel consumption.
4. Do not forget important papers like maps or sailing license.

5. Make sure you take spare parts, repair kit, first aid kit and a pump with you.

**At last:** Make sure you do not ever exceed the maximum recommended number of persons, load capacity and engine power. We wish you lots of pleasure with your inflatables.

### LIMITED WARRANTY

1. We warranty each new \_\_\_\_\_ and accessories attached, thereto (hereafter referred to as "Product") manufactured by us, to be free from defects in material and workmanship.
2. This warranty shall become effective only upon receipt of a completed Owner Warranty Registration Card, which shall identify the Products so registered by the W.I.N (Watercraft Identification Number).
3. This warranty is as follows: Two(2) year guarantee on the base fabric and seams that the fabric of which the Product is manufactured will maintain its original purpose under normal conditions during such period, including a two (2) year guarantee on workmanship that each unit of the Product and auxiliary fittings has been manufactured with good workmanship.
4. Since this warranty applies to defects in material and workmanship, it does not apply to normal worn fabric or wood finishes or to damage caused by:
  - 1) Neglect, lack of maintenance, accident, abnormal operation, racing competition or commercial services
  - 2) Use of an accessory or part not manufactured or sold by \_\_\_\_\_
5. This warranty will not apply to: Haul-out, launching, storage charge, telephone or rental charges of any type, inconvenience, or loss of time and income.
6. Claims shall be made under this warranty by delivering the Product for inspection to the selling dealer who will then either do the repairs or arrange for the inspection and repair, provided such service is covered under this warranty. Purchaser shall pay for all related transportation charges. If the service is not covered by this warranty. Purchaser shall pay for all related labor and material and any other expenses associated with that service. Any Product or parts shipped by purchaser for inspection or repair must be shipped with transportation charges prepaid.
7. The Owner Registration Card is the only valid registration identification and must be on file with at the time the warranty service is required.
8. Our obligation under this warranty shall be limited to repairing a defective part or at our option replacing such part or parts as shall be necessary to remedy and malfunction resulting from defects in material or workmanship as covered by this warranty. We reserve the right to improve or change the design of any Product without assuming any obligation to modify and Product previously manufactured.
9. All incidental and or consequential damages are excluded from this warranty. Implied warranties are limited to the life of this warranty.
10. This warranty gives you specific legal rights, and you may also have other legal rights, which may vary from area to area.

## DECLARATION OF CONFORMITY

**We herewith declare, that in this conception and type and in the construction in which it is introduced into traffic by ourselves the boat described in more detail in the following meets the basic safety and health requirements of the**

EN ISO 6185:2018 SMALL CRAFT PART 1

In the event of alterations, modifications made to the boat which have not been agreed by us and which affect the "basic safety requirements", this declaration no longer applies to that boat and is therefore null and void.

Boat type	: GS 160 SR, GS 180 SR, GS 160 SL, GS 180 SL, GS 200 SL, GS 230 SL, GS 249 SL, GS 160 SH, GS 249 SH, GS 200 RIB
Main dimensions	:160X123CM, 183X123CM, 160X117CM, 178X130M, 197X131CM, 225X131CM, 247X131CM, 160X130CM, 248X133CM, 205X150CM
Serial number of boat	: ES-IMN.....

Authorised representative:

Date: GENERAL MANAGER

**EC DECLARATION OF CONFORMITY  
ACCORDING TO EC DIRECTIVE "RECREATIONAL CRAFT"  
2013/53/EU**

We hereby declare that the boat described below, at the time it is placed on the market, meets, in its design, type and construction, the basic safety requirements of the

**EC Directive for Recreational Craft**

In the event of alterations, modifications made to the boat which have not been agreed by us and which affect the "basic safety requirements", this declaration no longer applies to that boat and is therefore null and void.

Designation of boat : Inflatable boat

Boat type :GR 300 SA

Main dimensions : 298X153CM

Serial number of boat : ES-IMN .....

Design category : C

(Designed for voyages in coastal waters, large bays, estuaries, lakes and rivers where conditions up to, and including, wind force 6 and significant wave heights up to, and including 2m may be experienced.)

Certification Module : A1

Applicable Directive : EC-Dir. 2013/53/EU

Notified Body : DNV.GL SE

According to ANNEX IV

Address of notified body : BROOKTORKAI 18,20457 HAMBURG,GERMANY

The product described above meets the essential requirements of Directive 2013/53/EC, Annex I/A, points 3.2 and 3.3

Certificate of Conformity No.:

RCDA1000001H

Authorised representative :

**Date :**

**GENERAL MANAGER**

**OWNERS WARRANTY REGISTRATION CARD**

Mail to:

Name of owner \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_

State/Prov. \_\_\_\_\_

Zip/Postal Code \_\_\_\_\_

Home Telephone \_\_\_\_\_ Business Telephone \_\_\_\_\_

Model \_\_\_\_\_

Date of Sale \_\_\_\_\_

Watercraft Identification Number (WIN) \_\_\_\_\_

Colour \_\_\_\_\_

Purchased from \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_

State/Prov. \_\_\_\_\_

Zip/Postal Code \_\_\_\_\_

Dealer's stamp