



TECHNICAL SPECIFICATION

for **G-FRB1-O** type **FAST RESCUE BOAT**

GEPA
FIBERGLASS
CO. INC.
TUZLA / İSTANBUL / TURKEY

The G-FRB1-O type GEPA GRP FAST RESCUE BOATS are designed, constructed and tested according to the latest regulations and standards of "SOLAS" and "IMO".

The Fast Rescue Boat is designed for 15 persons (3 crews and 12 survivors). Hand applied laminate Fast Rescue Boats are built according to the international standards and reinforced against collisions.

The construction is GRP material using selfextinguishing resin.

The form is deep "V" bottom hull with transom stern and one piece moulding.

The inner hull is one piece moulding GRP material.

The hull and inner hull are bolted with stainless steel bolts and fastenings are made watertight by means of marine sealant and chopped strand mat laminate layers.

The Rescue Boat is lifted from a single point. Release Mechanism (Hook Release Device) of 3,5 t. for lifting.

Rubber fender all around the boat on gunwale, performs the protection.

The surfaces on which persons are walking is non-sliding.

The space between hull and inner hull are filled with polyurethane foam to use as buoyancy tanks. These tanks have enough buoyancy to float the boat in damaged condition. The Fast Rescue Boat provides good inherent stability and is stable even in damaged condition.

The Fast Rescue Boat is equipped by 2 (two) electric start, remote control command, water cooled two stroke MERCURY type 2x90 HP approved outboard engines with 305 litres stainless steel fuel tank. The casing of the fuel tank has natural ventilation. The fuel tank capacity is enough to sail the boat for 6 hours at full speed.

In case of capsizing, with the effect of the self righting unit which is mounted on the aft deck, the boat will turn to the right position automatically. The sea water which will stay inside the boat must be discharged quickly by the main and emergency bilge pumps and manual bilge pump.

2 dry Batteries 12 V / 86 Ah each is installed in a sealed and ventilated GRP box. 1 lighted compass, 1 searchlight plug, 2 bilge pumps, 1 navigation light and control desk gages lights are in the electric consumers. By using the main switch which is on the control desk you can switch off the electric system or you can use the batteries separately or together. It is possible to control the RPM of the engines from the gages which is on the control desk.



All fittings and mounting hardware are made of marine grade stainless steel. The painter release device is mounted on forward deck. The stainless steel aft bollards are fastened to the boat with stainless steel bolts. The paddle oars are attached on the inside starboard side of the boat, easy to handle. The radar reflector is stored in SOLAS locker. The boat-hook is located on the inside starboard side, easy to handle. Nylon loops to form life lines are located around both sides of the hull. Stainless steel handrails are mounted on both sides on gunwale. Retro reflective tapes are provided on both sides of the hull and on the decks. A survivor can lay on the floor on a stretcher. At the bottom, near to the keel and hoisting leg unit, there is a stainless steel drain plug. The cap of the plug is attached to the bilge by a chain. An illuminated compass is mounted on the control desk. Different eyebolts are mounted on both sides of the inner hull for engaging the side fenders, the boarding ladders, etc. The ships name, port of registry and call sign is fastened according to the rules. There are 2 approved electric Bilge Pumps. Automatic main pump has 109,8 litres/min. capacity and starts when there is bailing water at bilge. Emergency electric pump has 109,8 litres/min. capacity. Additionally there is an manual pump which is removable. Electrical Bilge Pumps are controlled from control desk. 6 kg. capacity portable Fire Extinguisher is located at aft, on the side of the starboard seat, easy to handle.

SOLAS INVENTORY LIST

LSA Code	NAME OF LOOSE EQUIPMENT	PIECE(S)
4.4.3.3 / 5.1.1.1	BOARDING LADDER 120 cm.	1
4.4.8.25 / 5.1.1.10	MANUAL PUMP	1
5.1.2.2.1	BUOYANT OARS	2
5.1.2.2.2	BUOYANT BAILER	1
5.1.2.2.3	COMPASS	1
5.1.2.2.4	SEA ANCHOR + HAWSER 10 m.	1
5.1.2.2.5	PAINTER 15 meters	1
5.1.2.2.6	BUOYANT HAWSER – 50 meters	1
5.1.2.2.7	ELECTRIC TORCH + SPARE BATTERY + BULB	1
5.1.2.2.8	WHISTLE	1
5.1.2.2.9	FIRST AID OUTFIT	1
5.1.2.2.10	BUOYANT RESCUE QUILTS + BUOYANT LINE 30 m.	2
5.1.2.2.11	SEARCHLIGHT	1
5.1.2.2.12	RADAR REFLECTOR	1
5.1.2.2.13	THERMAL PROTECTIVE AIDS	2
5.1.2.2.14	FIRE-EXTINGUISHING EQUIPMENT	1
5.1.2.3.1	BOAT HOOK	1
5.1.2.3.2	BUCKET	1
5.1.2.3.3	JACK KNIFE or HATCHET	1

