

MODEL NUMBERS

CLR-6 MK-II

CLR-6H-USCG-MK-II in Flat Fiberglass Container
 CLR-6S-USCG-MK-II in Fabric Valise

SOLAS-6 MK-II

CGF-6-A-STD-MK-II in Flat Fiberglass Container with SOLAS "A" Equipment
 CGF-6-B-STD-MK-II in Flat Fiberglass Container with SOLAS "B" Equipment
 CGR-6-A-STD-MK-II in Round Fiberglass Container with SOLAS "A" Equipment
 CGR-6-B-STD-MK-II in Round Fiberglass Container with SOLAS "B" Equipment

SPECIFICATIONS

MODEL	CLR-6 MK-II	SOLAS-6 MK-II
United States Coast Guard Approval #	160.051/317/1	160.151/147/0
Rated Capacity	6 Person	6 Person
Buoyancy Tube Diameter	13.0 in.	13.0 in.
Freeboard	13.0 in.	13.0 in.
Raft Inflated Dimensions	9 ft. x 6 ft. 3 in. x 3 ft. 5 in. (L x W x H)	9 ft. x 6 ft. 3 in. x 3 ft. 5 in. (L x W x H)
Floor Area (total)	24.8 ft ²	24.8 ft ²
Floor Area (per person)	4.0 ft ²	4.0 ft ²
Buoyancy in Fresh Water	Total 1,313 lbs. Per Person 219 lbs.	Total 1,313 lbs. Per Person 219 lbs.
Buoyancy in Salt Water	Total 1,347 lbs. Per Person 225 lbs.	Total 1,347 lbs. Per Person 225 lbs.
Inflation System	Carbon Dioxide (CO ₂) & Nitrogen (N ₂) Gas Mixture	
Operating Pressure	2.0 p.s.i.	
Operating Temperature Range	-22° F to +150° F	
Life Raft Hard Container Material	Hand-Laid Fiberglass	N/A
Life Raft Soft Valise Material	1,000 denier Cordura™	N/A
Aluminum Cradle Material for Flat Container	Anodized AL-6463-T55	
Steel Cradle Material for Round Container	Hot-Dipped Galvanized Steel	
Buoyancy Chamber Material	USCG Approved 16 oz./sq. yd. Urethane Coated Nylon Base Cloth (Exceeds MIL-C-17415-16AA)	
Hard Container (flat) Dimensions *	31.75 in. x 21 in. x 15.5 in. (L x W x H)	37 in. x 24.0 in. x 16.5 in. (L x W x H)
Hard Container (round) Dimensions *	N/A	21 in. x 44 in. (Dia. X L)
Soft Valise Dimensions **	30 in. x 20 in. x 16 in. (L x W x H)	N/A
Weight in Hard Container ***	115 lbs.	165 lbs./Flat - 175 lbs./Round With SOLAS "A" Equipment 133 lbs./Flat - 143 lbs./Round With SOLAS "B" Equipment
Shipping Weight in Hard Container §	134 lbs.	188 lbs./Flat - 303 lbs./Round With SOLAS "A" Equipment 158 lbs./Flat - 265 lbs./Round With SOLAS "B" Equipment
Weight in Soft Valise ***	93 lbs.	N/A
Shipping Weight in Soft Valise §§	103 lbs.	N/A

NOTES:

- * Optional Cradle will extend the overall installed height and width dimensions of the Hard Container by approximately two inches.
- ** Soft Valise dimensions may vary from those indicated depending upon options.
- *** Weight may vary depending upon options.
- § Weight includes Cradle, Hydrostatic Release, and Inflatable Floor.
- §§ Weight includes Inflatable Floor.
- Outer Storm Doors with heavy-duty marine grade zippers shown on cover are standard on the SOLAS-6 and available as a separate option with the CLR-6 for inclusion in your Abandon Ship Bag.
- Specifications are subject to change without notice.
- Covered by one or more of the following U.S. Patent Numbers: 5,397,258 & 5,419,726.

If you sell your catch, or fish with the intent to sell, the United States Coast Guard may require your vessel to be equipped in compliance with the requirements of the Commercial Fishing Industry Vessel Safety Regulations.

The SWITLIK, USCG Approved, 6 Person CLR-6 MK-II Life Raft meets the Requirements of the Commercial Fishing Vessel Safety Act for those vessels required and/or allowed to carry a U.S.C.G. Approved Coastwise Service Life Raft. For this allowance, your vessel's documentation status, size and area of operation must meet the criteria of the act.

The SWITLIK, SOLAS-6 MK-II Life Rafts with SOLAS "A" or "B" equipment packs meet the requirements, for those vessels fishing beyond 20 miles from shore required to carry a U.S.C.G. Approved SOLAS Life Raft.

WE RECOMMEND THAT YOU CONTACT YOUR LOCAL USCG MARINE SAFETY OFFICE (MSO) WITH ANY QUESTIONS YOU MAY HAVE CONCERNING INTERPRETATION OR APPLICABILITY OF THESE REGULATIONS.

Manufactured with Pride in America

By

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ISO 9001:2000 - Registered Quality Management System



PARACHUTE COMPANY

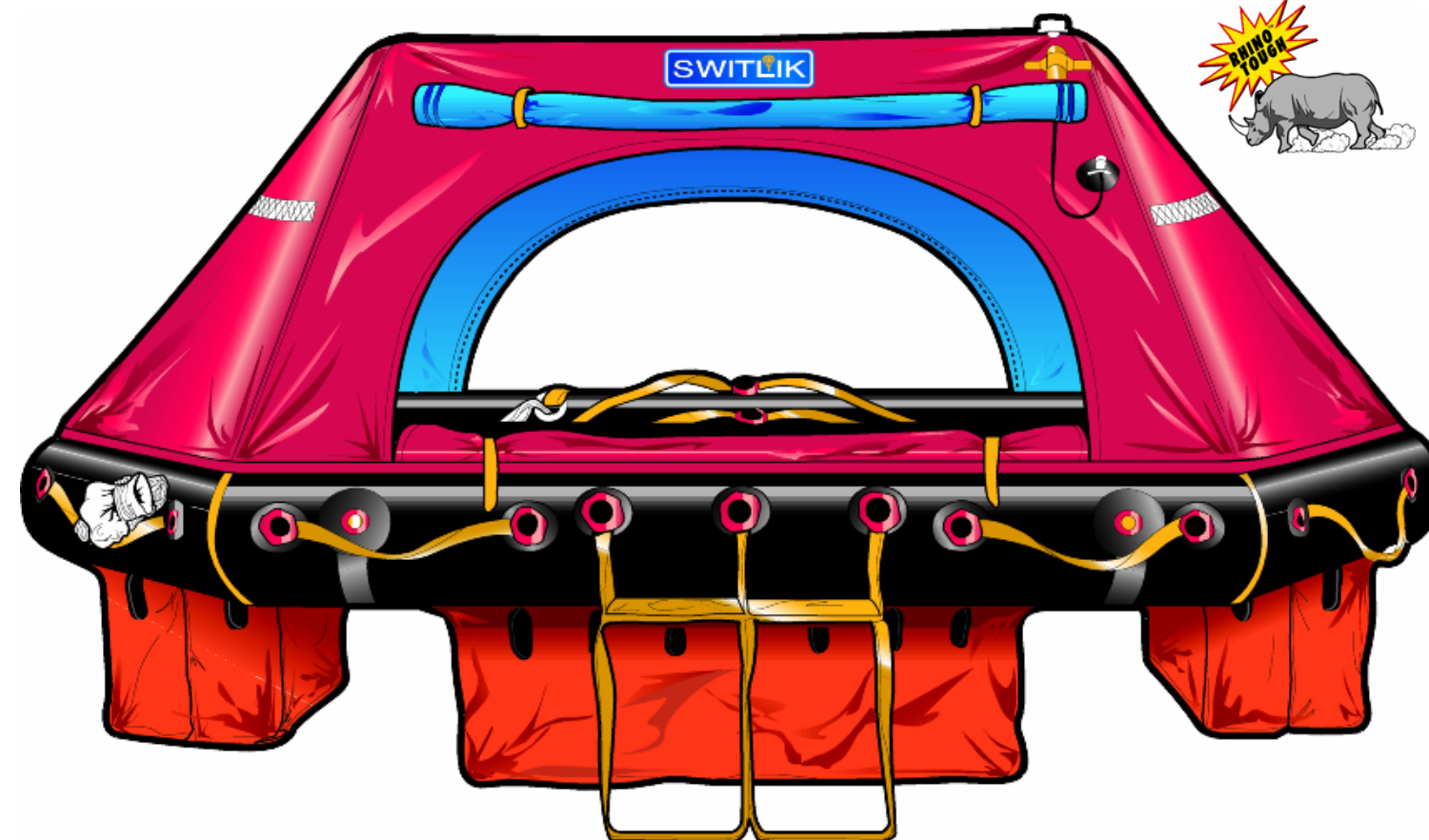
Established 1920

CLR-6 MK-II
SOLAS-6 MK-II
 LIFE RAFTS

UNITED STATES COAST GUARD APPROVED
6 PERSON CAPACITY

CLR-6 MK-II LIFE RAFT
 SOLAS-6 MK-II LIFE RAFT

Combining Quality, Value, & ...
 A Name You Trust



The SOLAS-6
 Meets Current US Sailing Regulations for Category 0 events.
 Valid for Liferfts Manufactured After 01/01/06

The introduction of the Mark-II versions of our United States Coast Guard Approved CLR-6 and SOLAS-6 Life Rafts carries on the *SWITLIK* tradition of continually improving and providing the most advanced designs available anywhere to commercial and recreational mariners. These Life Rafts are based on our original Coastal Life Raft in which Bill and Simone Butler spent 66 days adrift in the Pacific Ocean until their rescue.

◆ Our CLR-6 MK-II and SOLAS-6 MK-II Life Rafts combine the single tube redundancy and separate Inflatable Floors from our earlier designs:

SINGLE BUOYANCY TUBE REDUNDANCY

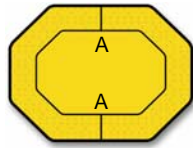


Fig. 1

Most single tube life rafts provide two separate air chambers with internal airtight bulkheads, (Figure 1, A-A); this divides the buoyancy tube in half. An irreparable leak in either chamber results in a substantial loss of floor area, loss of one-half the raft's buoyancy, and collapse of the canopy support.

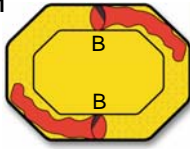


Fig. 2

The single buoyancy tube of the CLR-6 or the SOLAS-6 provides two separate chambers divided by two internal sleeves, (Figure 2), which are each closed at one end. The open ends, (Figure 2, B-B), are attached to the inside of the buoyancy tube at the same position where bulkheads would normally be found. Upon inflation of the life raft, these internal sleeves lie flat and uninflated on the bottom of the raft buoyancy tube, because air pressure through the entire interior of the buoyancy tube is equal.

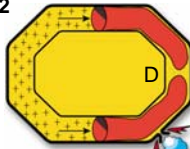


Fig. 3

If one of the raft's chambers is punctured after inflation and cannot be repaired immediately, (Figure 3, C), gas will escape from that chamber. This results in greater relative pressure in the undamaged chamber. This pressure forces both inner sleeves towards the half of the buoyancy tube from which air is escaping until they meet end to end, (Figure 3, D). Like an inner tube in an automobile tire, the inner sleeves retain all the air originally in the undamaged half of the life raft. Although buoyancy has been reduced by 50%, it is still sufficient to support the rated occupant capacity and there has been no loss of floor area.

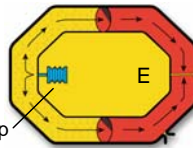
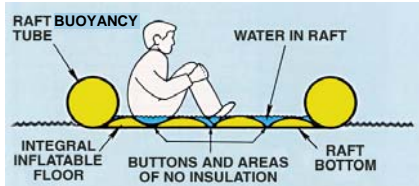


Fig. 4

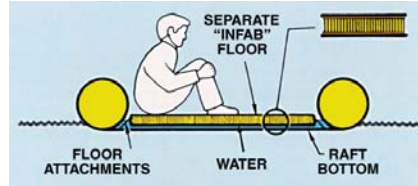
Using the hand pump to force air into the manual inflation valve on the undamaged side of the raft, the entire buoyancy tube may be re-inflated to its normal operating pressure and full buoyancy, (Figure 4, E). This feature provides the redundancy normally found only in rafts with twin tubes. A leak in the canopy will not compromise the integrity of the main buoyancy tube chambers because the canopy is inflated with its own CO₂ inflators and is independent from the main buoyancy chambers.



SEPARATE INFLATABLE FLOOR →

VS.

← INTEGRAL INFLATABLE FLOOR



INTEGRAL FOAM OR INFLATABLE FLOORS do not separate the occupants of the Life Raft from any water within the raft. The cross section of a common life raft shows why. Most inflatable floors are constructed by laying a second layer of fabric on the bottom of the raft and joining the two pieces of fabric around their periphery. To prevent the floor from turning into a sphere when it is inflated, "buttons" are used to join the two layers of fabric. Several buttons are placed about a foot apart around the floor. This isn't very effective because there is no air space at each of the buttons, and therefore, no insulation. More importantly, any water in the raft sits on top of the floor in the depressions caused by the buttons, and is in constant contact with the raft occupants, greatly increasing discomfort and the potential for hypothermia.

SEPARATE HEAT SEALED OR DROP-STITCH INFLATABLE FLOORS are independent from but tied to the bottom of the Life Raft. Water within the raft stays in the raft's bilge, between the bottom of the inflatable floor and the bottom of the raft. Of the two types of floor construction, Drop-Stitch offers better insulation. Drop-Stitch floors are two layers of fabric joined by tens of thousands of threads, which are all equal in length (approximately 3"). These two layers of fabric are sealed together about their periphery. The inflatable floor is then securely tied inside the raft. When inflated, the threads within the inflatable floor restrict its expansion and result in a semi-rigid, flat-surfaced floor with a uniform thickness of three inches. This results in equal separation of the occupants from the cold of the ocean water. The internal threads also restrict circulation of air within the floor, which results in better insulation.

◆ With NEW - MK II Features:

- **Heat-sealed 16 oz. per square yard Nylon Tube Fabric**, urethane coated inside and out, and over-lapped seams taped inside and out, is the toughest in the industry.
- **Twin "Gull-Wing" Doors** facilitate boarding from higher freeboard vessels and the large openings provide excellent ventilation with 360° lookout capability.
- **Rigid Boarding Step** makes it much easier for survivors to board the Life Raft from the water than using only a webbing ladder.
- **Four large volume, chain weighted, rectangular cross-section Ballast Pockets**, meeting International SOLAS Standards, offer greater stability than triangular cross-section "Icelandic" ballast pockets of equivalent length.
- **Optional independent Heat Sealed Inflatable Floor** (standard with SOLAS, optional with CLR.) keeps occupants above and separated from water in the Life Raft.
- **Anodized marine grade aluminum Deck Mounting Cradle and Hydrostatic Release** are also available as options.

What is Rhino Tough™?

RHINO TOUGH defines the **strength and resistance to damage** of our Life Rafts' inflatable buoyancy chamber fabric. This heavy-duty, 16 oz. per square yard nylon tube fabric, urethane coated inside and out, with heat-sealed over-lapped seams, taped inside and out, is the toughest in the industry. The urethane coating is virtually immune to porosity due to "Cold-Cracking". This can be caused by the extremely low temperatures of the Life Raft's inflation gases that can damage many other coatings used today. Our buoyancy chamber fabric's resistance to damage from puncture and abrasion is **second to none!**

FEATURES & EQUIPMENT

FEATURES

STANDARD FEATURES (CLR-6 & SOLAS-6)

- Gel-Coated Hand-Laid Fiberglass Container
- Heavy Duty (840 denier) Nylon Buoyancy Tube Coated inside and out with Abrasion Resistant Urethane
- Over-Lapped Seams Taped Inside and Out
- Raft Use Instructions Silk Screened on Buoyancy Tube
- High Visibility Fluorescent Orange Canopy with Opaque Blue Inner Coating
- Heavy Duty Marine Grade Zippers
- Twin Canopy Support Arch Tubes
- 3 square ft. of SOLAS Grade Retro-Reflective Tape on Canopy and Upper Buoyancy Tube
- 1.5 square ft. of SOLAS Grade Retro-Reflective Tape on Life Raft Bottom
- Carbon Dioxide (CO₂) / Nitrogen (N₂) Inflation System (Operating Range of -22°F to +150°F)
- 2000 lb. Test Inflation / Mooring Lanyard – (50 ft./CLR - 135 ft./SOLAS)
- USCG Approved Life Raft Interior Light with On/Off Switch
- USCG Approved Life Raft Exterior Locator Light with On/Off Switch
- Auto Deployed Military Specification Sea Anchor with 50 feet of 1,000 pound test Rode
- Heaving Ring and 100 feet of Floating Retrieval Line
- Life Raft Righting Strap
- High Proof-Test Attachment Points
- Rigid Boarding Step
- Boarding Ladder
- Boarding Hand-Holds
- 4 ea. Over-Pressure Relief Valves
- 2 ea. Manual Topping-Off Valves
- Rain Water Catcher
- Floating Life Raft Safety Knife
- Interior Grasp Lines
- Exterior Life Lines

OPTIONAL FEATURES (CLR-6)

- Abrasion Resistant Urethane Coated Cordura® Soft Valise
- Deck Mounting Cradle Marine Grade (6463-T55) Anodized Aluminum
- USCG Approved Hydrostatic Release
- Independent Heat Sealed Inflatable Floor
- Independent "Drop-Stitch" Inflatable Floor
- Storm Flaps (Separate option for inclusion in your Abandon Ship Bag)

OPTIONAL FEATURES (SOLAS-6)

- Independent "Drop-Stitch" Inflatable Floor

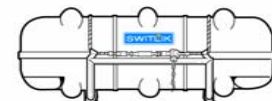
STANDARD FEATURES (SOLAS-6)

ABOVE FEATURES PLUS:

- Storm Flaps with 2" wide Velcro® Closures over Canopy Zippers
- Independent Heat Sealed Inflatable Floor
- Blue Inner Canopy Liner
- Deck Mounting Cradle for Flat Fiberglass Container Marine Grade (6463-T55) Anodized Aluminum or,
- Deck Mounting Cradle for Round Fiberglass Container (Hot-Dipped Galvanized Steel)
- USCG Approved Hydrostatic Release

CONTAINERS & VALISE

CLR-6



• 31.75" L x 21" W x 15.5" H • 115 lbs.

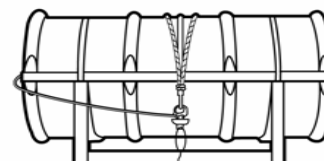


• 30" L x 20" W x 16" H • 93 lbs.

SOLAS-6



• 37" L x 24" W x 17" H • 165 lbs.



• 44" L x 21" Dia. • 175 lbs.

EQUIPMENT

EQUIPMENT

	CLR-6	SOLAS-6
RAFT		
Raft Repair Clamp Kit (1 sm., 1 med., & 1 lg.).....	2	2
Adhesive & Patch Repair Kit.....	0	1
Hand Inflation Pump with 5" Extension.....	1	1
Pressure Relief Valve Plugs.....	4	4
Bailing Bucket.....	1	1
Sponges.....	2	2
Paddles.....	2	2
Equipment Bag (large).....	0	1
Equipment Bag (small).....	1	0
Spare Military Specification Sea Anchor & Rode.....	1	1
SIGNALING		
USCG Approved/SOLAS Parachute Flares.....	0	4
USCG Approved/SOLAS Hand-Held Flares.....	3	6
USCG Approved/SOLAS Smoke Signal.....	0	2
USCG Approved Signal Mirror.....	1	1
USCG Approved Flashlight w/ 3 batteries.....	1	1
Spare Batteries.....	3	3
Spare Bulb.....	1	1
Whistle.....	1	1
SURVIVAL		
Survival Manual.....	1	1
Immediate Action Placard Hanging from Arch Tube.....	1	1
USCG Approved First Aid Kit.....	0	1
USCG Approved Drinking Water (liters).....	0	9
USCG Approved Food Rations (kilo-joules).....	0	60
USCG Approved Fishing Kit.....	0	1
Individual Thermal Protective Aid.....	0	2
Water Storage.....	0	1
Graduated Drinking Cup.....	0	1
Anti-Sea Sickness Tablets.....	36	36
Sea Sickness Bags.....	0	6
Can Opener.....	0	3