

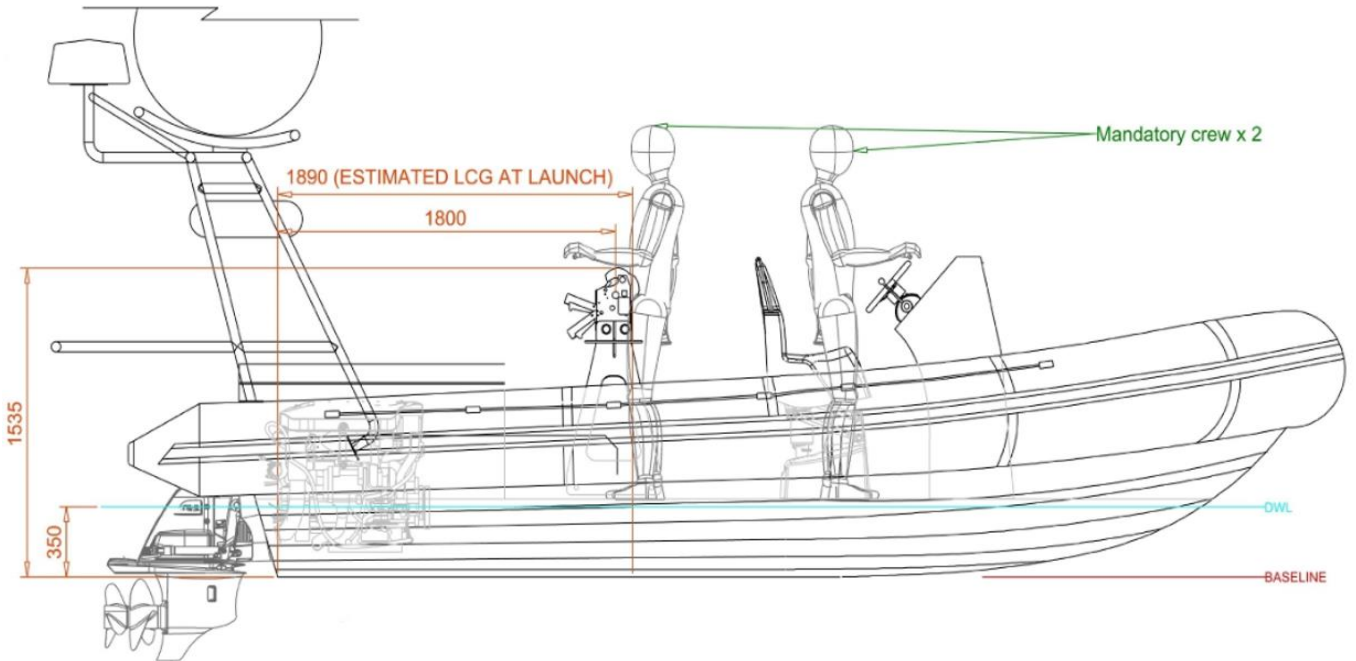
MAKO Defender Military RIBs



The MAKO 4.5m to 6.5m Defender range of RIBs are mission specific and are used by the most discriminating operators who demand the utmost in ruggedness and reliability.

MAKO'S Defender Ribs are built for Professional use, their hulls are reinforced to take the maximum G forces that are applied when fully laden and powered at maximum speed. They are simple, functional, tough, and have been designed for improved usability. Due to their light weights and size, the MAKO 4.5m to 6.5m Defender range of RIBs can be used in shallow water depths, making them ideal as rapid deployment attack craft or river patrol craft where water depth can vary dramatically. They can also be used as shipboard boats for a variety of missions including search and rescue, law enforcement and force protection. All the models have integral stainless steel hoisting fittings including a 4 point leg sling and polyester webbing legs, galvanized proof loaded shackles and stainless steel master links. The deep V fiberglass (GRP) hull and 4-5 chamber inflatable collar combined with self righting and jockey style seating; provides the seaworthiness, shock mitigation, stability and maneuverability required to operate reliably and effectively in a hostile maritime environment. The well built, reinforced hull and collar constructed system allows the Mako Defender range to be safely launched and recovered in high sea states.

Defender Military RIBs – Built to requirement



	DR-4.5m	DR-5.1m	DR-5.5m	DR-6.5m
Max number of persons	6	10	14	18
Max payload	750kg	900kg	1250kg	1850kg
Overall length	4.5m	5.1m	5.5m	6.5m
Overall width	1.85m	2.2m	2.35m	2.55m
Weight empty	200kg	250kg	300kg	690kg
Shaft length	Long-20"	Long-20"	Long-20"	Single-25"
Max power	50hp	90hp	120hp	160hp
Max engine weight	100kg	189kg	181kg	262kg
Options of tube fabric:				
Tube fabric-Neoprene	1670 dtx	1670 dtx	1670 dtx	1670 dtx
Tube fabric-Durotex Heat welded	1450 gm2	1450 gm2	1450 gm2	1450 gm2
Tube fabric- Foam	Closed cell memory foam	Closed cell memory foam	Closed cell memory foam	Closed cell memory foam

Defender Military RIBs – Built to requirement

DEFENDER Rib Range: Boat Description STANDARD SPECIFICATIONS

Hull/Deck:

- Fiberglass hull and deck (Black or Military Grey)
- Vinyl ester resin (fire retardant upgrade)
- Non-slip deck
- SS recessed bow eye & tow points
- Bow/Keel mounted quick release system.

Collar:

- Five (5) to six (6) chambers.

Tube Material Options:

- a) 1100 dtex Neoprene/Hypalon inflatable tube (Black or Military Grey)
- b) 1670 dtex Neoprene/Hypalon inflatable tube (Black or Military Grey)
- c) 1450 gm2 Durotex (Heat Welded PVC)- (Black or Military Grey)
- d) EVA Foam (closed cell memory foam covered with a layer of material) (Black or Military Grey)

Tube Accessories and Options:

- Over-pressure relief valves
- Full-length double nylon lifeline on S/S D-Ring patches
- Collar accessories – tube handles (4-6)
- Reinforced top step treads or wear patches
- Double rubbing strakes



- Heavy duty Collar upgrade package:
 - two (2) extra rubbing strakes
 - two (2) pair step tread
 - two (2) pairs of handles
 - mooring D-rings

Console/Seating:

Console comes standard with screen / windshield / S/S grab rail

Console Options:

Single or double sit down
Single stand up - Military

Seating Options:

- Single straddle seats with S/S backrest & cushions (base has built in storage compartment)
- “iseats” Shock mitigating Commando style jockey seating
- Lean to seats for pilot & co-pilot (seats in rows)

Defender Military RIBs – Built to requirement

Equipment:

- Below deck cable routing,
- Two (2) SS transom tie-down eyes
- Folding anchor light.
- Stainless steel recessed bow eye and two heavy-duty stainless steel transom tie-downs
- Mooring/towing – two (2) transom cleats with Tow post and bow post S/S.
- Aft frame S/S for radar and lights with ski tow point (all wiring inside frame)
- Under deck access hatch to aft hull cavity.

Bilge pumping/draining:

- High capacity deck drains fitted with scupper trunks.
- Electric bilge pump with automatic switch.

Hoisting:

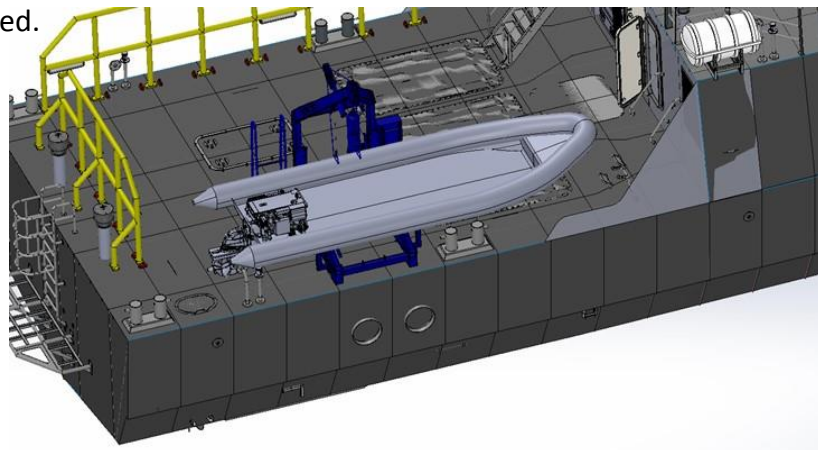
- Integral S/S hoisting fittings. (4 point)
- Polyester webbing lift sling.
- Overload hoisting test

HENRIKSEN**REDUCING OPERATIONAL RISK****Optional Single Point Lift System:**

- Henriksen 12te off-load release hook system
- Optional - fitted to the craft along with an integrated on-load painter release hook for use with a towing boom onboard the mother vessel during launch and recovery.

Optional Docking head Interface:

- Docking head can be fitted to be compatible with the chosen launch & recovery davit package as required.



Defender Military RIBs – Built to requirement

Electrical: (For Turn Key Delivery)

- 12 VDC electrical system with waterproofed circuit breakers and switches
- Single or Twin (2) battery banks Gel Marine Grade with selector/isolator switches.
- Dimmer switch (2) - instrument lights and compass light.
- Two (2) Accessory plugs (marine and cigarette lighter style)
- Fixed flood lights on aft arch
- Handheld/fixed searchlights and fixed flood lights on arch.
- Shore-power system with battery charger – 230 VAC

Navigation/communications:

- Navigation lights
- Electric horn
- Magnetic compass
- Standard Nav / Com package: (VHF,GPS, Radar, AIS etc... (Customer specified)
- Custom Nav / Com package available

Fuel system:

- S/S or Alu or polyurethane fuel tanks – 100 Lt and up to 500 Lt (on bigger Ribs)
- Selector valves to allow either engine to be supplied from either tank.
- Fuel/water separators.
- Fuel level gauge
- Extended fuel capacity available

Propulsion:

- Single or Twin Outboard Engines- 50hp to 600hp
- Hydraulic steering

Shipping:

- Shipping preparation
- Shrink wrap
- Wooden shipping cradle

ADDITIONAL OPTIONS AVAILABLE

Post Delivery Orientation: commissioning, introductory vessel instruction, systems operation and recommended maintenance held on location